CUMULATIVE AUTHOR INDEX

The author index has been compiled on the basis of abstract numbers rather than pagination.

Aamodt, Roger, 1083
Aanes, David, 1702, 3537
Aaronson, May, 2792
Aarskog, D., 2114
Abbott, John C., 1580
Abdulla, U., 2250
Abeson, Alan, 553, 758, 1418
Abitbol, Carolyn L., 389
Ablow, Ronald C., 1126
Aboulafia, Y., 890
Abraham, Guy E., 1808
Abramowicz, Helen D., 835
Abrams, Richard, 348
Abramson, David C., 3089, 3490
Abecht, Paul, 2733
Abrisqueta, J. A., 1154
Achenbach, Thomas M., 1378
Ackerman, Ora R., 3549
Ackerman, Paul, Jr., 1837, 3329
Ackermann, Teel, 3361
Ackron, George S., 2622
Adachi, Akinori, 68
Adam, Peter A. J., 2394
Adams, James M., 40
Adams, Jane L., 2517
Adams, Jerry, 227
Adams, Richard M., 2433, 2434
Adamson, D. G., 322
Adcock, D. F., 1969
Addison, G. M., 2267
Addison, Max R., 3349
Adelstein, A. M., 907
Adhikary, Parimal K., 14
Adima, Emmanuel Efeseke, 687
Adinolfi, Anna, 1791
Adinolfi, M., 863, 1211, 1791
Adlard, B.P.F., 3125
Adler, Saul M., 1261
Affleck, Glenn G., 2474
Agnew, J., 3076
Aguilar, Mary Jane, 926
Aherne, G.E.S., 3072
Ahlstrom, Hans, 2359
Ahmann, Peter, 389
Aiello, Barbara, 2520
Akaoka, Ieo, 1097
Akerley, Mary S., 3567
Alagille, D., 2317
Alberman, Eva, 337
Albers, William H., 978
Alberto, Paul A., 3332, 3333, 3334
Albright, James, 1126
Alcorn, Charles L., 516
Alcorn, Lela Ann Pike, 640
Alden, Errol R., 1885
Alderman, Brian, 202
Aleksic, S., 2304
Alello, Barbara, 1527
Alexander, Bruce, 578, 1593
Alexander, Russell E., 2335
Alfi, Omar S., 28, 2215, 2287, 3014
Alfieri, Peter A., 3454
Alford, Charles A., Jr., 973, 2906
Alker, Leslie N., 3216
Allardice, Margheritta S., 1758
Allderdice, Penelope W., 3013
Allegra, Salvatore, 2903
Allen, Doris A., 3170
Allen, George J., 3212
Allen, Ingrid V., 1853
Allen, Irving E., 2246
Allen, Jeffrey, 2105
Allen, L. P., 1249
Allen, Linda, 2523, 2527, 2530
Allen, Lindsay, 1231
Allen, Richard G., 131
Allen, Richard P., 1978, 1991
Allen, Robert M., 1274, 3216
Aller, V., 1154
Allerdice, P. W., 353
Allison, A. C., 2989
Almeida, June D., 950
Aloia, Gregory F., 1413, 3368
Alojipan, Leticia C., 165
Alon, Jacob, 73
Alovisetti, Max, 1742
Alper, Milton H., 1817
Al-Salihi, Farouk, 2363
Alter, Andrea V., 2247
Alter, Milton, 966
Altman, Reuben, 3389
Altshuler, Geoffrey, 370, 1230
Al-Ubaidi, Y. Y., 2041
Alvarez, Marcos N., 2202
Alvarez, Victor R., 3010
Alvesalo, Lassi, 1161
Alvord, Ellsworth C., Jr., 901, 902, 946, 1906
Aman, Michael G., 727
Amatayakul, Kosin, 2951
Ambani, Lalit M., 2313
Ames, Mary D., 3075
Amirhakimi, G. H., 163
Amstey, Marvin S., 127, 1931
Anakura, Michiya, 2088
Anastasiow, Nicholas J., 558
Andersen, A. E., 304
Andersen, Richard N., 2200
Anderson, Donald C., 917
Anderson, Elizabeth M., 2554
Anderson, Frank Burlew, 692
Anderson, Frank M., 1294
Anderson, Garland D., 140
Anderson, Gerald G., 74, 1800
Anderson, H., 2048
Anderson, J. M., 906
Anderson, Nels M., 2481
Anderson, R., 1050
Anderson, Robert M., 3235, 3321, 3324, 3348, 3351, 3444, 3448, 3513, 3572
Anderson, Victor H., 2707
Andersson, Sven-Olof, 132
Ando, Haruhiko, 2779
Ando, Toshiyuki, 275
Andrew, D., 2619
Andrews, Billy F., 165, 1897
Andrews, T. M., 1105
Andrle, Milly, 2244
Aner, Kerstin, 2740
Angeli, Emelia, 1
Anglani, Franca, 2154
Aninger, Marilyn, 3220
Annas, George J., 2829, 3488
Annegers, John F., 2138
Ansari, B. M., 858
Anson, John E., 3461
Anthony, E. James, 3566
Antillon, Florencio, 2289
Antley, Ray M., 2291, 3048
Antonis, Phyllis, 810
Anttolainen, I., 987
Apffel, James A., 1596
Apgar, Virginia, 1819
Appenzeller, Otto, 1085
Applebaum, Michael, 2930
Applegarth, Derek A., 2971
Apter, Naomi, 2020
Apuzzio, Joseph, 1892
Arashima, Shinichiro, 2088
Arbisser, Amir I., 3047
Arcinue, Edgardo, 3046
Arem, Cynthia A., 3366
Arendshorst, Donna S., 3429
Arias, Fernando, 873
Arias, Irwin M., 2910
Arko, Dorothy N., 565
Armendares, Salvador, 2236, 2289
Armstrong, Jennifer, 523
Armstrong, Jenny R., 641
Armstrong, John A., 169, 1903
Armstrong, M. J., 384
Armstrong, Marvin D., 1070
Arndt, Kenneth A., 1900
Arnold, Mildred, 231
Arnold, Susan, 1627
Arnstein, Ellis J., 1870
Aronson, Margaret, 1127
Arrowsmith, W. A., 983
Arroyave, Guillermo, 2948
Arsenio-Nunes, M. L., 264
Artenstein, Malcolm S., 1938, 2898
Artley, A. Sterl, 3339
Asadian, A., 372
Ascher, K., 1954
Ashcraft, Keith W., 2277
Ashe, Henry S., 1939

Ashenhurst, Edward M., 2097
Asherson, G. L., 988
Ashmore, Richard D., 49
Askin, Frederic B., 119, 2027
Aspnes, Gregg T., 188
Assali, N. S., 151
Astrom, L., 2012
Asvapaka, Chairat, 248
Atasu, Metin, 3055
Athreya, B. H., 112
Atienza, Milagros F., 886
Atkin, J., 1135, 3041
Atkin, N. B., 2192
Atkins, Leonard, 56
Atkins, Wayne, 3268
Atkinson, Samuel M., Jr., 139
Au, K.-S., 2164
Aubry, Richard H., 82
Auerbach, Robert, 3090
Aufsesser, Peter Mark, 431
Augoustaki, Olga, 199
Auld, Peter A. M., 2332
Ault, Bernadine, 537
Autio, Seppo, 270
Auxter, David, 3344
Avins, Laurence, 2983
Avner, Ellis D., 960
Awrich, Alan E., 1101
Axelrod, Felicia, 366
Axelrod, Penny, 464, 1985
Axton, J.H.M., 915
Ayi-Bonte, Geoffrey, 2188
Aynsley-Green, A., 1272
Azarnoff, Daniel L., 1868
Azimi, Parvin H., 118
Azrin, Nathan H., 714, 3462

Babitch, Joseph A., 103
Baca, Gilberto Matias, 813
Bacchus, Habeeb, 1084
Baccichetti, Carlo, 2154
Bacharach, Verne R., 1312
Bachelder, Linda, 1847
Bachmann, Claude, 2086
Bacon, George E., 1271
Badian, Nathlie A., 1406
Baer, Ann M., 3432
Baer, Donald M., 3432
Baer, Marion Taylor, 261, 318, 823
Baer, Richard, 2607
Bagley, Michael T., 3244, 3245
Bai, Jameela, 1892
Bailey, Colin D. H., 1800
Bailey, Constance, 618
Bailey, K., 2329
Bailey, Ralph E., 1537
Bailey, S. Rush, 1937
Bain, A. Douglas, 2228
Bair, Janice L., 3034
Bak, I. J., 133
Bakaitis, Patricia, 2606
Bakal, Donald A., 2407
Baker, Amanda Sirmon, 834
Baker, Bruce L., 3313
Baker, Frances Mercer, 2595
Baker, G. P., 1291, 1376
Baker, L.R.I., 201
Baker, Lorian, 2468
Baker, Richard J., 2595
Baker, Steven, 1593
Bakke, Trygve, 2809
Balachandar, Viswanathan, 2101
Baldauf, Robert J., 812
Baldessarini, Ross J., 1908
Baldwin, Victor, 3338, 3586
Balfour, George, 39
Balfour, Henry H., 1875
Balicek, Petr, 2149
Balinsky, J. B., 122
Ball, Thomas S., 712, 1636
Balla, David A., 1699, 2677, 3542
Ballard, Rod, 1753, 3577
Ballinger, Brian R., 523
Baloh, Robert, 903
Balsan, S., 2066
Balthazar, Earl E., 2461
Baltimore, Robert S., 1938
Bamford, Colin R., 1867, 1902
Bamford, F. N., 1764
Bancroft, Judy, 3355
Bang, Jens, 1831
Banik, N. L., 341
Bank-Mikkelsen, N. E., 3527
Banks, David M., 277
Bannasch, Donald Max, 1542
Bannatyne, Alexander D., 583, 1326
Bannister, D. G., 1248
Bannister, David L., 334, 1148
Baran, Stanley J., 1377
Barbeau, Andre, 2929
Barclay, Allan, 3514
Barden, E. S., 1915
Bardwell, Ann Skinner, 2704
Bareggi, S. R., 413
Bargman, J. G., 2299
Baringer, J. Richard, 904
Barishak, Y. Robert, 1182
Barker, Eileen, 2630
Barker, Sheila, 29, 861
Barker, William B., 997
Barkin, Roger M., 1940
Barlow, Charles F., 2433
Barnard, Kathryn E., 3587
Barnes, N. D., 1091
Barnett, C. D., 1113
Baron, Charles H., 2824, 2825
Barr, Evelyn, 1991
Barr, Peter A., 2380
Barrera, Francisco J., 3385, 3440
Barrera, Maria E. C., 3429
Barrett, Maureen B., 969
Barron, Arleen S., 2507
Barson, A. J., 2267
Barta, L., 1149
Bartak, Lawrence, 499, 1391, 2468
Barth, P. G., 2371
Bartholome, K., 286, 1095, 2960
Bartlett, Catherine, 3042
Barton, Elizabeth Spindler, 725, 3428
Barton, L. L., 980
Baskett, T. F., 1820
Baskiewicz, Ann, 1748
Bassewitz, D. B., 2028
Bassin, Jeff, 3361
Bassinger, Joan F., 3573
Batak, Lawrence, 497
Bateman, Barbara, 1559, 3270, 3271, 3272, 3273, 3274, 3275, 3276, 3277, 3278
Bates, D., 914
Bates, Mary Vanarsdale, 3024
Batshaw, Mark L., 2110
Baublis, Joseph, 2901
Baucom, Linda D., 1684
Bauder, F. 1119
Bauer, Charles, 994
Baum, Dale D., 577
Baum, J. David, 1247, 2380
Baum, Jules L., 3017
Baum, Richard Bruce, 628
Baum, Richard S., 2291
Baumann, Nicole, 2007
Baumeister, Alfred A., 3194, 3195, 3196, 3431, 3451
Baumgarten, A., 2310
Baumgartner, Bernice B., 3342
Baumgartner, E. Regula, 2086
Bax, Martin, 25
Baxter, Jan, 1422
Baxter, R. G., 1162
Beard, R. W., 880
Beare, A. S., 938
Beatty, James R., 1410
Beatty-Desana, Jeanne W., 1125
Beazley, John M., 202
Becerril, Gloria, 1646
Bechtel, Leland P., 2454
Beck, Elisabeth, 133
Beck, Leah, 1166, 1996
Beck, Ronna Lee, 736, 1659
Becker, D. J., 1053, 2046
Becker, Gerald, 1525
Becker, Melvin H., 1943
Becker, Ralph L., 1616, 3387
Becker, S. A., 1184
Beckers, C., 1057
Beckwith, J. Bruce, 1267, 1885
Beckwith, Jon, 324, 343, 2995
Beckwith, Leila, 3198
Bednarek, Francis J., 1246
Beermann, Louis L., 1672
Beguin, F., 78
Behar, Moises, 2067, 2337, 2952
Behrman, Richard E., 193, 2368, 2944
Beighton, Peter, 2271
Beintema, Anneke, 2377
Beisel, William R., 2341
Beitins, Inese Z., 249
Belgaumkar, Teertharaj K., 2324
Bell, David J., 2513
Bell, Eleanor J., 130
Bell, Linda Theriault, 2033
Bell, Nancy J., 3515
Bell, William R., 886
Bellamy, G. Thomas, 585, 1621, 3322, 3355, 3378
Bellanti, Joseph A., 973

Belmont, Ira, 1552
Belonje, P. C., 2947
Belsey, Mark A., 954
Belsey, Richard E., 285
Ben Aderet, H., 313
Ben Brahim, M., 410
Bender, Michael, 102, 206, 234, 261, 318, 551
Benezech, M., 333
Benirschke, Kurt, 336, 3020, 3089
Benison, Saul, 2657
Benjamin, Denis R., 941
Bennett, R., 708
Bennetts, L. N., 3381
Bensberg, Gerard J., 3449
Benson, Philip F., 300
Benson, R., 1945
Bentley, Donald, 1164
Bentovim, Arnon, 1387
Ben-Tsur, Z., 2997
Bepko, Raymond A., 1472, 1602
Beratis, Nicholas G., 297, 1104, 2011, 2038, 2974
Bercovici, Sylvia M., 3210
Bercu, Barry, 957
Berdine, William H., 1579
Berg, Bruce O., 1028
Berg, J. M., 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2181, 2182, 2183, 2184
Berger, Anna, 419
Berger, D. B., 72
Berger, Gary S., 893
Berger, H. M., 1223, 2059
Berger, Mark L., 1110
Berger, Michael, 3421
Bergman, Abraham B., 1267
Bergman, Allan, 2589
Bergman, Charles C., 2716
Bergman, Ronald L., 2765
Bergsjo, Per, 2809
Bergsma, Daniel, 1774, 1775, 3019
Berkelhamer, Jay E., 2043
Berkowitz, Albert J., 3362
Berman, Allan, 1306
Berman, Lawrence S., 1258
Berman, Paige, 1213
Berman, Yitzahak, 3491
Bermingham, I., 2768
Bernal, Manuel, 2283
Bernasconi, Sergio, 2091
Bernett, Jole, 1082
Bernstein, Merton C., 670
Berrill, Renee, 1561
Berriman, Helen, 1077
Berry, Galen W., 2451
Berry, Helen K., 291, 292, 306
Berry, P. R., 1890
Berry, Paul, 2430, 2436, 2439
Berson, Bryna Skolnick, 1383
Bertotto, A., 1862
Berwick, Donald M., 2000
Bessinger, F. Blanton, Jr., 2383
Bessudo, Leon, 2887
Bethelem, J., 2371
Betsill, William L., Jr., 2018
Bettison, S., 3398, 3593
Betts, P. R., 2036
Beutler, Ernest, 194, 1096, 1107
Beveridge, M. C., 2399, 2435
Beyer, Walter, 2500
Beyth, Yoram, 73
Bhagat, M., 522
Bhagavan, Hemmige, 208
Bhakthavathsalan, Amrutha, 1810, 2391
Bharucha, Pilco E., 159
Bhattacharyya, Dipak K., 14
Biale, Y., 313
Biano, Stella, 1874, 1919
Bible, Guy H., 3546
Bickel, H., 2960
Bidder, R. T., 1147
Biddulph, John, 984
Biedel, Clark W., 2432
Biggs, John S. G., 66
Bijou, Sidney W., 3200, 3489
Billing, Barbara H., 1041
Billings, J. J., 2899
Bilsky, Linda Hickson, 1314, 3139
Binder, Richard A., 77
Bingham, Grace D'Agostino, 507
Birch, Charles, 2733, 2734
Birch, Jack W., 1507
Bircher, J., 3399
Bird, Elizabeth, 3450
Birenbaum, Arnold, 1705, 1706, 1707, 1708, 1709, 1710, 1711, 1712, 1713, 1714, 1743
Birnbaum, Stanley J., 887
Birns, Beverly, 3168
Birr, Jack, 1632
Bischoff, A., 2129
Bishop, Barbara E., 3589
Bissonnette, J. M., 400
Bixler, David, 2280, 2291, 3048
Bjerre, Ingrid, 2322, 2325, 2342
Bjorksten, Bengt, 132
Black, Kenneth Donald, 432
Black, Lawrence, 854
Black, Malcolm D., 1961
Blackhurst, A. Edward, 528
Blackie, J., 811
Blacklock, Dottie, 1738
Blackman, Leonard S., 3139, 3142
Blackston, R. D., 2164
Blair, John D., 3012
Blake, A. M., 1249, 2619
Blake, K.C.H., 2866
Blake, Mary, 1828
Blank, C. E., 1142
Blank, Marion, 3170
Blankenship, Paul R., 2119
Blankenship, Willard, 2285
Blanton, Linda Poteat, 484
Blaskovics, M., 1088
Blatman, Saul, 963
Blatt, Burton, 3242
Bleck, E. E., 241
Bleil, Gordon B., 1566
Blennow, Gosta, 2032
Blindert, H. Dieter, 1704
Blomquist, Hans K., 2064
Blomstrand, Christian, 103
Bloom, Arthur D., 2241
Bloom, Barbara, 641
Bloom, H., 1888
Blunden, Roger, 698
Boatman, Rex D., 577
Bobath, Berti, 2621
Bobath, Karel, 2621
Bobrow, M., 1115
Bock, Frank Charon, 627
Boddy, K., 1929
Bodegard, Goran, 2395
Boehm, Frank H., 1816
Bogdanovic, Shearon, 2144
Boggs, Elizabeth M., 772, 2638
Boggs, Thomas R., 2390
Bok, Sissela, 3487
Bolick, Nancy, 553
Bolinsky, Kaye, 3220
Bolling, David R., 1151, 2208, 2234
Bolognese, Ronald J., 1797
Bolton, A. E., 29
Bolze, H., 1954
Boman, Helge, 45
Bonaiti-Pellie, C., 1033
Bond, Jane V., 1035
Bongiovanni, Alfred M., 2390
Bonnar, J., 861
Bonnet, M., 1798
Boog, G., 410
Book, J. A., 1219
Boothman, Rosemary, 2321
Bootsma, D., 1271
Bordwell, Martha, 644
Borer, Robert C., 1246
Boreus, Lars, 1964
Borgaonnkar, Digamber S., 1151, 1819, 2166, 2208, 2234, 3004
Borgstedt, Agneta D., 1847
Borkowski, John G., 1318
Bormans, J., 1795
Bornstein, Paul, 3057
Boros, Stephen J., 1259, 1262
Bortner, Morton, 3164
Borton, Lady, 564
Boruchow, Adrienne, 3215
Borut, Danielle, 2052
Bott, Kristine Ann, 1542
Boucharlat, J., 2153
Boue, Andre, 2198
Boue, Joelle, 2198
Bowen, Frank W., Jr., 1813
Bower, B. D., 1914
Bowes, Watson A., Jr., 2882, 2867
Bowie, M. D., 2030, 2946
Bowser-Riley, Susan M., 2228
Boyce, Kathleen, 1275
Boyd, Flora Marguerite, 485
Boyd, Robert D., 962
Boyece, Lorinne, 2766
Boyo, A. E., 2034
Boysen, Bette E., 1981
Bracey, Susan, 3310
Braddock, David L., 765, 777
Bradfield, Robert B., 257, 1231
Bradley, Betty Hunt, 3437
Bradley, D. M., 1089

Bradley, Thomas B., 621
Bradshaw, Christy, 3036
Bradtke, Louise M., 583
Brady, June P., 1241, 1242
Brady, Roscoe O., 296, 308, 2990
Brambilla, F., 2121
Brand, Colin M., 950
Brand, H. J., 2611
Brandberg, A., 2612
Brandon, Gatlin R., 1099
Brandt, Carl D., 1938
Brann, Alfred W., Jr., 2373
Brannan, Arnold Clark, 730
Brans, Yves W., 1017
Bransford, Louis, 555
Branstrator, Margaret, 2033
Brantmark, Bo, 1263
Brasel, Joanne, 1044
Brassell, William R., 3141
Brast, D., 1635
Braud, Lendell, 1022, 1979
Braud, William, 1022, 1979
Braun, Stephen H., 3445
Brawley, Oletha Daniels, 639
Bray, D. Anne, 3359
Bray, Nanci M., 1373, 1400, 1556
Brayshay, Muriel, 1858
Brayton, James B., 1819
Brazelton, T. Berry, 2793
Bream, C. A., 1969
Brechbuhler, Toni, 2086
Breckbill, David L., 412
Breg, W. Roy, 1126
Brekke, Arne, 3336
Brekke, Beverly, 3336
Brelje, Terry B., 1671
Brent, Robert L., 2843, 2844, 2845, 3490
Brenton, Beatrice White, 3174
Brenz, Ronald W., 1885
Brereton, R. J., 381
Bresnan, M. J., 1917
Brett, E. M., 857
Brewer, N., 2401
Briard-Guillemot, M. L., 1033
Bricker, Diane D., 1429, 3347, 3505
Bricker, William A., 1429, 3347, 3353, 3505
Bridgeman, B., 502
Bridgeman, D. L., 502
Bridges, J. M., 992
Brierley, James B., 1244
Briers, Peter J., 2031
Briggs, J., 3007
Brill, Paula, 2038
Brimblecombe, F.S.W., 3595
Brink, Marita, 3218
Brinkman, C. R., III, 151
Broadhead, Geoffrey D., 2398
Brock, D.J.H., 29, 861, 865, 2252, 3070
Brodie, Patrick, 2524, 2526, 2528, 2531
Brody, Jacob A., 2388
Broeck, Elsa Ten, 1026
Brolin, Donn E., 10, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 1624
Bromwich, Rose F., 3327
Brooks, Benjamin L., 584
Brooks, Jeanne, 3226
Broome, Diane L., 59, 3043
Broskin, Kathy, 2087
Brothers, Virginia, 2964
Brown, Audrey K., 1957
Brown, David R., 251
Brown, Edwin G., 1266
Brown, J., 1047
Brown, J. K., 1250, 2386
Brown, Jennifer M., 2134
Brown, Judith A., 1158
Brown, Lou, 2578, 3340
Brown, Louis F., 3131
Brown, Michael G., 2235
Brown, R. S., 1914
Brown, Roy I., 2539, 3108, 3109, 3110, 3111, 3193, 3280, 3281, 3377, 3416, 3569
Brown, Stuart B., 2305, 2346
Brown, Walter U., 1817
Browning, M.C.K., 322
Browning, Philip L., 838, 843, 1667
Brownlee, B.E.W., 2047
Brownlee, Linda, 1716, 3239
Brudenell, M., 2350
Bruhn, Frederic W., 1883
Brundage, Elvira, 2525, 2529, 2532
Brunell, Philip, 113, 965
Brust, D., 708
Bryan, Tanis H., 3316
Bryant, Diana G., 1537
Bryant, Eileen M., 877
Bryant, G., 1147
Bryant, J. I., 1117
Bryant, Kathleen, 1128, 2145, 2799
Bryce-Smith, D., 1988
Buchanan, George R., 271
Buchanan, N., 1952
Buchanan, Philip D., 3033
Buchanan, Robert A., 973
Bucher, Hans U., 899
Buchin, Sandra Y., 2873
Buckhalt, Joseph A., 2400
Bucur, Ionel, 2074
Budoff, Milton, 2408, 2489, 3158
Budzilovich, G., 2304
Buhi, W. C., 63, 1253
Buhl, Morten, 1882
Buhler, E. M., 1152
Buhler, Erika, 2082, 2244
Bui, T. H., 3037
Buist, Neil R. M., 1099, 1252, 2957
Bull, Marilyn,J., 3017
Bullock, Lyndal M., 1481, 2491
Bundschuh, Ernest L., 1490
Bunye, Alicia S., 2717
Burchell, B., 184
Burger, Agnes Lin, 3139, 3142
Burger, Donald, 3439
Burke, Arlene Avery, 550
Burke, Michael, 930
Burke, Philip J., 3350
Burkett, Robert, 291
Burman, Las Ake, 132
Burmeister, Peter, 1038
Burnet, R. B., 1077
Burnett, Lonnie S., 886
Burnette, Wanda L., 1730
Burr, James, 1281
Burrow, G. N., 143
Burt, Robert A., 748, 756, 2724, 2728
Burton, J. L., 2107
Burton, Louise F., 2397, 2415, 2452, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2593, 2624, 2662, 2663, 2664, 2697, 2712, 2713
Buryakova, Ariadna V., 913
Burzynski, Norbert J., 2291
Bush, Elizabeth S., 1664
Bush, J. W., 268
Bushkell, Lawrence L., 2275
Busk, Jytte, 2227
Bussell, Carol, 1353
Buster, John E., 1808
Butcher, Richard E., 292
Butler, Ian J., 284, 2072
Butler, James J., 1042
Buttars, Kathleen Laffin, 585
Butter, H. J., 2613
Butterfield, Earl C., 3120, 3121, 3122, 3123, 3124, 3126, 3224, 3560
Buynak, Eugene B., 916
Byalick, Robert, 805
Byers, Peter H., 3057
Byrd, D. J., 1095
Byrne, Paul A., 392, 393

Caccamo, Maria L., 1951
Caddell, Joan L., 392, 393, 394
Cady, Jerilyn L., 543
Cahalane, S. F., 2122
Cahill, Richard, 1043
Cain, Elna, 2805
Cairns, George F., 3126
Calderini, G., 413
Caldwell, Candace, 2372
Calhoun, Karen S., 715
Callahan, Daniel, 3478
Callahan, J. W., 2967, 2968
Callias, Maria, 3426
Calvert, Gene Paul, 2860
Calvert, Susan, 2857
Camenga, David L., 1879
Cameron, J. D., 713
Cameron, N., 2938
Campbell, Doris M., 399
Campbell, Frances A., 1747, 3328
Campbell, H., 1972
Campbell, Neil, 1971
Campbell, S., 35
Campbell, Stuart, 397, 1811, 2290
Campion, E. C., 1150
Cangir, Ayten, 3073

Canning, N., 3027
Canter, Arthur, 227
Cantor, Harvey E., 1904
Cantrell, James E., 1101
Cantu, Jose-Maria, 2283
Cantuaria, A. A., 383
Cantwell, Dennis P., 2468
Cantwell, Ronald J., 2225, 3039
Cao, Antonio, 996, 2186
Caplan, Marion, 810
Cappel, R., 910
Capron, Alexander M., 2731, 2814
Capute, Arnold J., 500, 2110
Cardenes, A., 2366
Cardona, L., 2366
Cardozo, Carol W., 1274
Carella, C., 2232
Carlier, G., 3062
Carlson, Nancy Allan, 635
Carlson, Robert, 22
Carlsson, J., 2353
Carnine, Douglas, 3276
Carpenter, G., 3020
Carpenter, Robert L., 2139
Carpenter, Stirling, 2105
Carr, David H., 2203
Carr, Everett, 2406
Carr, Janet, 3426, 3434
Carr, Thomas H., 1498
Carrier, Joseph K., Jr., 546
Carroll, Janice G., 2462
Carter, Charles A., 514
Carter, Felicity, 2257
Carter, John L., 436, 1497, 3335
Case, Jan, 842, 3175, 3207
Casemore, D. P., 1881
Casey, J., 2168
Cash, Wanda M., 717
Cashore, William J., 1235
Caskey, Owen L., 556
Casper, James T., 2872
Caspi, Eliahu, 405
Cassady, George, 1017, 1295, 1828
Cassel, Robert H., 3449
Cassidy, Suzanne B., 1123, 2242
Cassiman, J. J., 3035
Castells, Salvador, 2068, 2124
Catalano, J. Denis, 2879
Cataldi, L., 982, 2049
Caterini, Herik, 1004, 1293
Cathelineau, L., 2118
Catz, Charlotte S., 2886
Cavalli, I. J., 2268
Cawley, Norman, 1647
Cegelka, Patricia Thomas, 1581
Cegrell, L., 2358
Celand, C., 1682
Centerwall, Willard R., 1125, 1159, 2246
Certo, Nick, 3340
Cervenka, Jaroslav, 2026
Chadwick, David L., 2235
Chadwick, O.F.D., 1999
Chaganti, R.S.K., 3016
Chakravarti, S., 2350
Chalhub, Elias G., 2263
Chalk, John, 1564
Chalmers, Iain, 1972
Chalmers, R. A., 2959
Chamberlain, Roma, 1054
Chamberlin, Robert W., 1384
Chambers, David, 758
Chambers, Timothy L., 317
Chan, M.C.K., 1136
Chance, G. W., 2329, 2330
Chandler, Jo Ann, 769
Chandra, R. K., 1051, 1056, 1925, 2953
Chang, Margan, 120, 917
Chang, P., 420
Chang, Pi-Nian, 693
Chang, Te-Wen, 1874
Chapman, Cyril J., 2965
Chapman, Jane E., 3597
Char, Florence, 2286
Chard, T., 31, 201, 1200
Charpentier, C., 2118
Charters, D. W., 2250
Chase, Gary A., 2071
Chase, H. Peter, 2880
Chatfield, W. R., 2047
Chattha, Amrik S., 357
Chaube, Shakuntala, 1199
Chauvel, Peter J., 500, 3023
Chavalitdhamrong, P.-O., 980
Chavigny, Katherine H., 1932
Chayet, N. L., 3487
Cheema-Dhadli, Surinder, 2961
Cheifitz, R. L., 33, 3030
Chemke, Juan, 1182, 2020
Chen, Andrew T. L., 2333
Chen, C. S., 2480
Chen, Chang Chiu, 2913
Chen, Harold, 3046
Chen, M. M., 268
Cheong, Lai Mooi, 630
Cherkes, Miriam G., 2446
Cherry, James D., 1904
Cherstvoy, E. D., 2300
Chesley, James, 77
Chesney, Russell W., 282
Chess, Stella, 229
Chestunut, Norman J., 579
Chez, Ronald A., 1229, 2842
Chhetri, M. K., 1052
Chiba, S., 931
Chiba, Y., 931
Chiemchanya, Surang, 144
Ch'ien, Lawrence T., 973
Chik, Lawrence, 1847
Chikami, Barbara, 2406
Childs, Barton, 896, 897
Childs, Ronald E., 1584, 1587
Chinn, Susan, 1105
Chinsky, Jack M., 3212
Chisolm, J. Julian, Jr., 969
Chitham, R. C., 321
Chloupek, Robert J., 1938
Cho, Cheng T., 141, 146
Choo, Sung-Moon, 2124
Chopra, Inder J., 19
Chouinard, Edward, 785
Chow, Barry, 2475
Chow, Stanley H. L., 2496
Chown, B., 2189
Christ, J. F., 133
Christensen, Larry, 2693
Christensen, N. Juel, 2116
Christian, Joe C., 1129
Christian, Steluta, 340
Christiansen, James E., 1525
Christmas, June J., 2864
Christopher, M. Christina, 1695
Chorover, Stephan L., 2727, 2732
Chua, Le-Beng, 2354
Churchill, John A., 2070
Churesigaew, Sunchai, 2142
Chutorian, Abe M., 1872
Cicchetti, Dante, 1375
Clancy, Helen, 3192
Clark, Arthur F., 298
Clark, Cameron, 299
Clark, Diane C., 1060
Clark, Hewitt B., 3432
Clark, Joan E., 1900
Clark, Lester, 632
Clark, Mary B., 285
Clarke, Cynthia A., 539
Clarke, Cyril, 1187, 1970
Clarke, Robert Ritchie, 494
Clarke, William L., 362
Clayton, Barbara E., 2128, 2979
Cleaver, James E., 1217
Clegg, D. R., 1805
Clegg, J. B., 1949
Clegg, Norman, 1620
Cleland, Charles C., 842, 844, 2774, 3207, 3175
Clements, James, 840, 3523
Clements, John A., 1255
Clements, Paul Reve, 3024
Clennon, Sheila E., 649
Cline, Robert Emmett, 495
Clinet, G., 910
Clinton, Leroy, 1275
Close, Daniel, 1621, 3322
Close, H. G., 1132
Clothier, C., 1088
Clouser, K. Danner, 5
Cloutier, Mark D., 2202
Clow, John, 2560
Clunies-Ross, Graham G., 3258
Cobbs, Sarah, 2043
Cochran, William, 1874
Cocks, Errol, 2795, 2796
Coco, Roberto, 2159, 2195
Cody, William J., 1318
Coffey, Margaret M., 1789
Cohen, Allan M., 240
Cohen, B. E., 1183
Cohen, Bernard, 1002
Cohen, Fred, 746
Cohen, Herbert J., 2807
Cohen, Julius, 751
Cohen, M. M., 2997
Cohen, Maimon M., 1133, 1158
Cohen, Michael E., 2089
Cohen, Michael I., 187
Cohen, Michael Jay, 481
Cohen, Paul, 172
Cohen, S. Alan, 1358

Cohen, Tirza, 73
Cohen, Wayne R., 872
Colby, Jack, 3442
Colby, Kenneth Mark, 3162
Coldwell, James G., 3055
Cole, A. P., 918
Cole, P. G., 3186, 3311
Cole, Stella R., 1385
Coleman, Mary, 208, 2102
Coleman, Patricia G., 541
Coleman, Raymond F., 1550
Collette-Harris, Martha, 1633
Collier, Albert M., 3328
Collier, Ella, 1112
Collins, Edith, 174
Collins, Joseph F., 541
Collins, Michael T., 2483
Collipp, Platon J., 2101
Colombo, J. P., 1071, 1074
Coloroso, Barbara, 3256
Coltart, T. M., 35, 2298
Colton, Robert P., 926
Colver, Doreen C. B., 1142
Colwell, Cecil N., 3449
Comings, David, 1107, 2226
Comly, Hunter H., 1386
Comrey, Andrew, 1361
Condon, William S., 3085
Cone, John D., 1637
Conley, Ronald, 43, 2760
Conn, Philip, 2436, 2557, 2558
Conn, Richard A., 2761
Conneally, P. Michael, 1840
Conners, C. Keith, 1016
Connolly, J. H., 1853
Connolly, Kevin, 1387, 3420
Connon, Aileen F., 1901
Connor, Daniel H., 1049
Constantine, Betsy, 1317
Constantoulakis, Mattew, 199
Conte, Felix A., 2224
Controni, Guido, 150, 1861
Converse, J. M., 2304
Cook, Jennifer, 1547, 1648
Cook, Larry N., 1897
Cooke, R.W.I., 928
Cooke, Robert E., 1770
Cooke, T.J.H., 858
Coop, Richard H., 3231
Cooper, G. M., 3381
Cooper, Jay M., 1797
Cooper, Jean, 3579
Copeland, Anne P., 3217
Copeland, Mildred, 414, 438, 439, 552, 646, 647, 694, 702, 788
Corbeel, L., 1074
Corbett, J., 8, 1650, 3435
Corcoran, R., 1210
Corman, Louise, 1461, 3158
Cormany, Robert B., 1623
Cornblath, Marvin, 296, 2127, 2990
Cosper, Lorna M., 1221
Cossu, P., 2186
Cote, G. B., 2189
Cote, R., 846
Cott, Allan, 709
Cotterell, Gill, 1367
Cotton, R.G.H., 1094
Coulombe, Pierre, 274
Coulter, J.B.S., 409, 989
Counts, George W., 1884
Coursin, David Baird, 208
Court, J. M., 1075
Covert, Robert, 576
Cowett, Richard M., 411, 1270
Cowles, Carolyn, 2127
Cox, Antony, 497, 499
Cox, Dennis H., 1920
Cox, Hollace L., Jr., 3047
Cozzi, F., 1222
Craft, Ian, 1811
Cragg, B. G., 93
Craig, J. W., 938
Craig, Linda, 2019
Craighead, W. Edward, 2626
Crallan, J. E., 1881
Cramblett, H. G., 2881
Crandall, Barbara F., 19
Crapper, Donald R., 1122
Craske, J., 1918
Cratty, Bryant J., 1287
Crawford, J. W., 884
Creasy, R. K., 2867
Cremer, Nathalie E., 926
Cremer, R. J., 2625
Cremers, C.W.R.J., 2312
Crichton, John U., 2486
Criscuolo, T., 2232
Crocker, Allen C., 2
Crocker, Karen, 22
Crockett, Darlene, 1379
Cronis, Terry G., 560
Crosby, Kenneth G., 3539
Crosby, Warren, 1265
Cross, Harold E., 283
Crossner, Claes-Goran, 2064
Crow, Frances, 542
Crowley, Robert, 2622
Crows, T. J., 477
Crowthers, Virginia L., 1758
Cruickshank, William M., 1346, 3303, 3304, 3305, 3306, 3307, 3308, 3309
Crutcher, Corinne E., 561
Cruz, A. C., 63
Cruz, Jose, 2335
Crystal, D., 3160
Csonka, Leslie, 343
Cuenca, Violeta G., 82
Cull, William H., 1686, 1687, 1688, 1719, 1720, 1721, 1722, 1723
Cullinan, Douglas, 1363, 2403
Culliton, Barbara J., 90, 95, 96, 339
Cunningham, Cliff, 3576
Cunningham, Joseph John, 782
Curran, John P., 2363
Curran, John R., 1179
Curran, William J., 753
Currie, Winifred, 1432
Curtis, Jerry L., 1852
Cushna, Bruce, 2
Cusumano, Charles L., 126
Cuvo, Anthony J., 3464
Czernobilsky, Bernard, 1182
Dahan, Sarah, 1133
Dahlenburg, G. W., 1078
Dallman, P. R., 2912
Dalton, Arthur J., 1122
Dalton, K., 1010
Daly, Richard F., 2180
Damme, Catherine, 3484
Damrongsak, Damri, 255
Damsgaard, Else, 293
Dancis, Joseph, 366
Danesino, Cesare, 2011
Daniel, P. M., 1098
Daniel, Patricia A., 3169
Daniel, Salha S., 2381
Danks, D. M., 1094, 2111, 2266, 2798
Darby, Charles F., 158
Darbyshire, Marilyn, 3450
Darja, Maria, 3018
Darling, J.A.B., 1090
Darmady, Judith M., 2161
Das, J. P., 2940, 2941, 2942
Das, Salil K., 14
Da Silva, Jacyntho A., 331, 2253
Davey, Alan, 1054
David, Heddwyn, 1787
David, Suhar, 2672
David, T. J., 1178
Davids, Anthony, 3241
Davidson, Ronald G., 1158
Davies, D. P., 858, 2396
Davies, P., 3152
Davies, Pamela A., 245, 920
Davies, T. S., 2627
Davis, Bernard D., 2727, 3480
Davis, C., 927
Davis, Catherine W. C., 2045
Davis, Daniel H., 643
Davis, David R., 2917
Davis, Donald A., 1030
Davis, Donna E., 3439
Davis, J. A., 1764
Davis, James W., 2098
Davis, Jessica G., 2807, 3049
Davis, John R., 3011
Davis, Robert H., 3032
Davis, Starkey D., 329, 1870
Davis, Tara B., 3348
Davis, Wayne H., 344
Davis, William E., 572
Davison, A. N., 341
Davison, D., 3398
Dawson, Glyn, 299
Dax, E. Cunningham, 2766
Day, Donald W., 3061
Day, G. M., 2329, 2330
Day, Harvey, 1471
Deacon, J.S.R., 2299
Dean, Dorothy, 804
Dean, Michael F., 300
Deane, Cordell, 1861
DeBault, Lawrence E., 1114, 2158
De Boor, Matilda F., 434
De Castro, A. Fernandez, 83
DeCastro, F. J., 977
De Clercq, E., 115
DeCostre, P., 1795

De Fine Olivarius, Bent, 1882
Degenhardt, K.-H., 1202
DeGirolami, Umberto, 2903
De Glas, Guido, 3592
De Gubareff, Taisija, 2120
Dehner, Louis P., 119
Deitz, Diane E. D., 3465
Deitz, Samuel M., 2617, 3465
De Jager-Van Der Grift, P. W., 1141
Dejung, John, 1586
Dekaban, Anatole S., 267, 1083, 2131
De La Cruz, Felix F., 3588
Delalieux, C., 247
De La Tore Verduzco, Rafael, 1241, 1242
Del Castillo, Victoria, 2289
De Lee, C., 325
Deleon, A., 17
Delgado, Hernan, 1232, 2067, 2337, 2340, 2950
Delhanty, Joy D. A., 2913
Delhaye, J., 1074
Del Mazo, J., 1154
Deloach, Charlene, 807
Deloecker, W., 1074
Delong, G. Robert, 357, 957, 1396
De Lorenzo, Eloisa Garcia Etchegoyhen, 2836
DeLuca, Hector F., 285
Deluchat, Christiane, 2198
DeMyer, Marian K., 3161, 3201
De Nayer, Philippe, 2037
Denenberg, Victor H., 3197
Denhoff, Eric, 2021, 3503
Dennis, H. Floyd, 1670
Deno, Stanley, 3246
Den Tandt, w., 1074
Denz-Seibert, G., 310
Depresseux, J. C., 3062
Derakhshan, Iraj, 909
Derencsenyi, Anna, 28, 3014
Derevensky, Jeffrey L., 3221
Derivan, Albert T., 500
Dermott, Evelyn, 1853
De Roover, J., 3035
De Rosa, G. Paul, 2925
Dershowitz, Alan M., 2993
DeRuiter, James A., 1365
Desai, P., 2628
De Silva, L. M., 1881
De Silva, Reginald M., 3550
Desjardins, P., 17
Desmyter, J., 115
Desnick, Robert J., 706, 1106, 2969
De Souza, S. W., 2361
De Turris, P., 982
Deutsch, Cynthia P., 1350
Devanesan, Mona, 1004
De Villiers, L. S., 2075
De Visscher, Michel, 2037
DeVivo, Darryl, 120, 179, 2005
De Vlieger, H., 115
Devloo-Blancquaert, A., 1157
De Vos, J., 1048
De Vries-De Mol, E. C., 1118
Dewald, Gordon, 2202
Dexter, Lewis A., 2862
Deye, D., 2724, 2825
Diament, Charles, 3406
Dick, B., 1863
Dickerson, Donald J., 3120, 3121, 3122, 3123, 3124, 3224
Dickey, Diane F., 461
Dicks, Joseph L., 1641
Dickson, Stanley, 3337
Diddle, A. W., 2868
Dietrich, Wilson L., 3321, 3513
Di Ferrante, Nicola, 1063
Di Loreto, Panfilo C., 61
Dimauro, Salvatore, 2090
Diner, Harold, 2807
Dipaolo, Ronald, 2982
Di Regolo, Jerold A., 102
Dirmikis, S. M., 2084
Di Rocco, C., 413
Dittrich, Andrew, 658, 659, 660, 661, 662, 663, 1612, 2594, 2596, 2597, 2598, 2599, 2600
Divoky, Diane, 38, 207, 209, 210, 211, 212, 213, 214, 593, 704
Dixon, Carmen C., 1583
Dixon, Michael H., 3143
Dixson, Barbara K., 2221
Dlay, Richard F., 2137
Dobbing, John, 1899, 3125
Dobbs, R. H., 2625
Dobbs, Richard, 2053
Doctor, Geeti S., 15, 872
Dodrill, Carl B., 962
Dobson, W. Edwin, 2005
Doherty, Richard A., 1857
Doleys, Daniel M., 1627
Dollberg, M., 890
Dollimore, J., 3041
Dolly, John P., 1544
Dominick, H.-Chr., 2028
Dommegques, J. P., 2317
Donald, Janet M., 322
Donlon, Edward T., 2397, 2415, 2452, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2593, 2624, 2662, 2663, 2664, 2697, 2712, 2713
Donnell, George M., 28, 2215, 2287, 2963, 3014
Donnelly, Patricia V., 1063
Donoghue, Wendy M., 3063
Donohue, Gregory, 533
Donohoe, W.T.A., 1970
Donovan, William, 3442
Dorey, Leonard G., 278
Dorman, Sandy, 1015
Dorner, S., 2710
Dorrance, David L., 2239
Dorry, George W., 2584, 3367
Dos Remedios, Leo V., 26
Dossetor, J.F.B., 1878
Dost, I., 1188
Doughty, S., 2059
Douglas, J.W.B., 2472
Douglas, John E., 2286
Douglas, R. Gordon, Jr., 955
Dow, M.G.T., 522
Dow, T.G.B., 1865
Dowling, John N., 169, 1903
Downes, John J., Jr., 1258
Downs, Marion P., 2800
Downs, Mary Lou, 1352
Dougherty, Louis J., 1166
Doxiadis, Spyrox A., 2741
Drabman, Ronald S., 780
Drage, Joseph S., 1366
Draper G. J., 1192
Draper, Ingrid L., 2514, 2515
Drash, Allan L., 2125
Drew, Clifford J., 588, 1355
Drew, Herbert A., Jr., 1443
Driscoll, John M., Jr., 1236
Driscoll, Shirley Griffith, 387
Drorbaugh, James E., 1233
Drotar, Dennis, 1748
Drummond, George Ian, 1064
D'Souza, Bernard J., 141
Dubner, Harriet W., 710
Dubois, Gisele, 1007
Dubowitz, V., 1191
Ducasse, C., 3007
Ducayen, Mercedes, 67
Duc, Gabriel, 899
Dudgeon, J. A., 968
Duenas, Alvaro, 954
Duenhoelter, Johann H., 18, 86
Duer, William F., 1979
Duff, Raymond S., 2708
Duffelmeyer, Fred, 1329
Duffield, A. M., 2083
Duffner, Patricia K., 2089
Duffy, Eugene Cahill, 619
Duke, R.F.N., 1005
Duker, P., 1651
Dumars, Kenneth W., 2214, 3005
Dumas, Andre, 2723
Dumont, M., 1798
Duncan, Peter A., 3054
Duncan, Sheila L. B., 369
Dungan, William T., 2286
Dunn, Martin J., 2360
Dunst, Carl J., 3141
Du Plooy, Marianne, 2075
Dupras, Andre, 3352
Durand, Richard, 1624
Durbin, G. M., 1249
Dussault, Jean H., 274
Dustin, Josephine, 592
Dutch, Susan, 2449
Du Toit, Irene L., 33
Dutton, G. J., 184
Dutton, Gordon, 849
Du Vivier, Anthony, 2191
Dvilansky, A., 1228
Dyck, Arthur J., 3487
Dyken, Paul R., 2296
Dykman, R.A.A., 459
Dyson, Donald, 1828

Eaglstein, A., Solomon, 3491
Eastham, R. D., 713
Eastman, C., 2168

Eaton, Antoinette P., 2861
Eaves, Linda C., 2486
Ebbesen, Finn, 1974, 2916
Ebbin, Allan J., 1040, 2213, 3043
Ebinger, G., 247
Echeverria, Peter, 124
Eckel, Elaine, 3231
Eckert, G., 173
Eckstein, H. B., 2254
Edelman, David A., 893, 1806
Edelman, Robert, 248
Edgar, Eugene, 578, 1593
Edgar, Paul J., 1052
Edgerly, Robert Francis, 818
Edgerton, Robert B., 3210
Edington, P. T., 880
Edmonds, Larry D., 943
Edmonson, Barbara, 2476
Edres, Jan, 3514
Edwards, D. Caird, 950
Edwards, J. H., 2189
Edwards, J. R., 940
Edwards, James C., 1454
Edwards, R. G., 2737
Edy, V. G., 115
Eeckels, R., 115, 1074
Efflan, Richard W., 749
Eggermont, E., 1074
Eggleston, Kathleen K, 541
Ehrenfeld, Nachum, 2297
Ehrenkranz, N. Joel, 1877
Eide, J., 2117
Eisenberg, Leon, 2631, 3477
Eisenberg, Robert, 1935
Eisner, Joel, 240
Ekelund H., 129, 1965, 2367
Ekvall, Shirley Walberg, 2057
Eldor, A., 985, 1958
Elgar, Sybil, 1374, 1605
Elguezabal, Alberto, 373
El Hommossany, Salah El Dine, 667
Elian, E., 1219
Elian, Marta, 315, 911
Eliot, John, 453
Elisaga, I. Villa, 2366
Elizan, Teresita A., 111, 1880
El Kholy, Hassan, 667
Elkins, John, 1364
Ellenberg, Jonas, 2336
Elligers, K. W., 72
Ellinas, Symeon,P., 1800
Elliott, James, 3525
Ellis, Dorothy, 1502
Ellis, Norman R., 2753
Ellison, F. E., 2294
Ellman, Michael H., 134
Elseviers, Dirk, 343
Elul, Rafael, 345
Elveback, Lila R., 2138
Emamy, H., 372
Embil, Juan A., 137
Emery, A.E.H., 875, 1835, 1841
Emery, Helen, 1944
Emery, J. L., 1273
Emmanoulides, George C., 1216, 2382
Endo, Machiko, 307
Engel, Andrew G., 2105
Engel, Eric, 334, 1123, 1148, 2242
Engeler, E., 977
Engle, Patricia, 2340, 2950
English, Woodruff J., 255
Ensley, Robert P., 787
Ensminger, E. Eugene, 3319
Entwistle, G. D., 1210
Epstein, C., 3020
Epstein, Charles J., 1803
Epstein, Herman T. A., 3132
Epstein, Michael F., 3079
Erbe, Richard W., 55, 262, 287, 2821
Erdlen, E., 2143
Erdtmann, B., 3003
Erickson, J. David, 3077
Erickson, Lynne M., 723
Erickson, Marilyn T., 1408
Erickson, Robert P., 1803
Eriksson, A. W., 338
Erith, M. J., 929
Erkulvrawatr, Samard, 2315
Ermocilla, Rufino, 1230
Erskin, Theresa, 2855
Escobar, Jorge A., 954
Escobedo, M. B., 917, 980
Escourolle, Raymond, 2007
Espenshade, Marilyn Edge, 3215
Estes, Robert E., 1301, 1400, 1556, 2434
Esveldt, Karen C., 1354
Etheridge, George W., 2854
Evans, D.I.K., 1146
Evans, H. J., 354
Evans, Hugh E., 373
Evans, Ian M., 717
Evans, J., 1250, 1948
Evans, K. T., 2267
Evans, Marion E., 2971
Evans, Mark I., 1807
Evans, Philip Rainsford, 1193
Evans, Ralph C., 3065
Evans, Ross A., 1314
Evans, T. J., 178
Everard, Margaret P., 1393
Ewing, Charles W., 1936
Ewing, Douglass E.,, 396
Eyman, Richard K., 3179

Faber, Raymond, 348
Faflak, Patricia, 3550
Faggiano, M., 2232
Fairbrother, P. F., 33
Fairchild, Effie, 1732
Falek, Arthur, 2333
Fales, H. M., 304
Falk, Henry, 943
Fallon, Richard, 3507
Falorni, A., 1951, 2331
Fanaroff, Avroy A., 2056
Fanconi, Andreas, 2091
Fang, J. S., 67
Faris, Judith A., 3235
Farnsworth, Peter B., 3054
Farpour, Habib, 1173
Farrell, Donald F., 298
Farrell, Philip M., 3079
Farrington, Frank H., 2281
Faulk, W. Page, 2050
Favell, Judith E., 3453
Faw, Terry T., 1360
Fawaz, Karim A., 100
Fawcett, William A., 2218
Faxelius, Gerd, 1964, 2012
Featherman, Judy, 1404
Feeler, Tilghman J., 526
Fehrenbacher, John, 3455
Feigin, I., 2304
Feigin, Ralph D., 120, 917
Feigl, Polly, 1870
Feinauer, L. Richard, 3043
Feinberg, Phil, 1594
Feingold, J., 1033
Feingold, Murray, 65, 2049, 2099, 2205, 2242
Feldman, Donita B., 389
Feldman, M. W., 97
Feldman, Martin A., 805
Feldman, Ronald, 1884
Feldman, Shaul, 966
Feldman, Steven, 2021
Feldman, W., 1188
Feldman, William E., 1927
Felicetti, Daniel A., 4, 738, 739, 740, 741, 742, 743, 745
Felismino, Emerita T., 3013
Fenichel, Gerald M., 728
Fenn, Gillian, 2441
Fensom, Anthony H., 2794
Fenton, Joseph, 764
Ferguson, A., 2010
Ferguson, Norma N., 1695
Ferguson-Smith, M. A., 386, 2988
Ferguson-Smith, Marie E., 2988
Fernandes, J., 2976
Fernbach, S. A., 2083
Fernhoff, P. M., 1825
Ferrand, Charles F., Jr., 972
Ferrara, Angelo, 1807
Ferrell, William R., 1365, 1409
Ferrer, M. T., 246
Ferrier, P. E., 2163
Ferrin, Jane C. S., 3046
Fialko, Gayle, 3005
Fialkow, Philip J., 1117
Fiddler, M. B., 706, 2969
Fidone, George S., 598
Field, Barbara, 378, 2255
Field, E. J., 105
Field, Eugene, 3055
Fielder, Virginia Dodge, 1555
Filler, John W., Jr., 3353
Finberg, Laurence, 2055
Fine, Ben S., 269
Finegold, M., 1943, 2304
Fineman, Robert M., 1126
Fink, Albert H., 568
Finkelstein, Neal W., 3127, 3328
Finlayson, M.A.J., 2488
Finlayson, M. H., 1204
Finley, Sara C., 2231
Finley, Wayne H., 2231

Finn, R., 1970
Finnstrom, Orvar, 1786, 1846
Fiol, Miguel E., 2180
Fischer, Gerald W., 1885
Fischer, Jan A., 2091
Fischer, Josef E., 1908
Fish, Barbara, 2614
Fish, Charles H., 2786
Fish, Stewart A., 2200
Fishburne, John I., 1806
Fisher, David E., 2368
Fisher, Delbert A., 273
Fisher, Susan M., 498
Fishman, Peter H., 296
Fishman, R. A., 2888
Fismer, K. D., 2151
Fitzhardinge, P. M., 1296
Flaharty, Rebecca, 2484
Flahive, Michael J., 1451
Flamer, George B., 1499
Flanagan, John J., 3456
Flatz, Sibyll D., 3001
Fleisher, Thomas A., 1100
Fleres, Carol N., 651
Fletcher, John, 1779
Fletcher, Steven R., 288
Flint, Wallace, 807
Floor, Lucretia, 3153
Flournoy, Lawrence D., 2098
Fluge, G., 2095, 2114
Flynn, John T., 2348
Flynt, J. W., Jr., 2747
Foar, B., 1952
Fobes, Clark D., 2246
Foley, Gilbert Martin, 421
Foley, Thomas P., Jr., 1099
Follett, Reita, 641
Follman, John, 1590
Follmann, J. F., Jr., 771
Foltz, Anne-Marie, 867
Fonatsch, Christa, 3001
Fontana, Phyllis, 3586
Ford, Lana, 414, 438, 439, 552, 646, 647, 694, 702, 788
Forenza, N., 1862
Foreyt, John Paul, 716, 3452
Forman, Phillip M., 457
Forness, Steven R., 1354
Forrest, A., 811
Forrest, A. D., 1777
Forrest, Alistair, 696
Forrest, Jill M. S., 2904
Forrest, John V., 2027
Forsman, Patricia J., 2125
Forster, Francis, M., 314, 2137
Forsyth, James E., 2537
Forsythe, A., 78, 87
Fortes, V. A., 2268
Fosbrooke, Audrey S., 1227
Foschini, M., 982
Fosmire, G. J., 2041, 2954
Foss, Gilbert, 1672
Foster, Henry W., 14
Foulds, J. W., 1198
Fowler, Cynthia G., 3059
Fox, B., 3398
Fox, Howard, 1120
Fox, Lawrence A., 234, 700
Fox, Murray E., 1827
Fox, Sanford J., 761
Fox, William W., 1258
Frackiewicz, Anna, 1138, 1139
Fraenkel, William A., 665
Fraikor, Arlene L., 147
Fralonardo, Sharon A., 955
Francis, Donald P., 1932
Francis, Dorothy E. M., 2128
Francke, Uta, 2218, 2221, 3036
Franco-Vazquez, Sergio, 2283
Frank, Jan, 2428
Frank, Jeannine L., 1678
Franke, Roseanne M., 1336
Frankel, Fred, 2402, 2406, 2467, 3211, 3458
Frankenburg, William, 519, 1128, 2145
Franklin, Alfred White, 1008
Frants, R. R., 338
Franzke, Alice W., 352, 2166
Fraser, Brian G., 3598
Fraser, C., 3020
Fraser, Donald, 285
Fraser, F. Clarke, 2205, 2290
Fraser, R., 1090
Fraser, W. I., 522, 3076
Frasier, S. Douglas, 2068
Frattarola, Michael, 1892
Frauenheim, John Gilbert, 448
Frazier, James R., 223
Frazier, Larry, 712
Fredericks, H. D., 3338, 3586
Freeman, B. J., 2406, 2485, 3474
Freeman, Donald W., 1264
Freeman, Roger K., 395
Freire-Maia, N., 2268
French, Joseph H., 460
Frenkel, J. K., 1867
Frenkel, Lawrence D., 973
Freston, Cyrus W., 1355
Frew, Thomas Wesley, 1335
Frezal, J., 1033
Frias, Jaime L., 859
Fried, Amnon, 2297
Fried, K., 1155, 1156
Friedland, Seymour J., 1298
Friedman, Abraham, 128
Friedman, Harvey M., 905, 1898
Friedman, Paul R., 736, 783, 1659, 2771, 2772, 2773, 2781, 3492, 3516, 3517, 3556
Friedman, Ronald J., 474
Friedrich, Eduard G., 125
Friedrich, Ursula, 2148, 2150
Frieman, Ida, 2035
Frieman, Jeanne, 3455
Friend, Harold, 1909
Frigoletto, F. D., Jr., 3487
Froland, S., 2117
Frost, Raymond, 2449
Frost, Russel G., 2081
Frostig, Marianne, 1347
Fryns, J. P., 3035
Fuccillo, David A., 2336, 2882
Fueyo, E., 246
Fujikura, Toshio, 888
Fujiwara, Takeki, 326
Fukushima, Naoki, 2088
Fulton, R. E., 1933
Funes-Cravioto, F., 3037
Furbee, James Duaine, 511
Furbetta, M., 996, 2186
Furey, Torry, 3338

Gable, Robert A., 3547
Gabreels, F., 281
Gabreels, F.J.M., 2156
Gaddy, Michael R., 3357
Gado, Mokhtar, 2005, 2263
Gadow, Kenneth D., 3475
Gajdusek, D. C., 133, 1851
Gajzago, Christine, 3188
Gal, Andrew E., 308
Gal, Isabel, 935
Galbraith, Gary C., 2227
Galdos, L., 246
Galjaard, H., 2976
Gallagher, James J., 1320, 3127
Gallagher, R. P., 319, 1663
Gallaher, Richard B., Jr., 228
Gallo, S., 2331
Galloway, Gregg M., 2360
Galperin-Lemaitre, H., 20
Gamstorp, I., 1134
Gandar, R., 410
Gant, Norman F., 86
Garber, Norman B., 1642
Garcia, Fe Palo, 1120
Garcia, Julio H., 2990
Gardner, David G., 2092
Gardner, Ernest, 1174
Gardner, James M., 3436
Gardner, Lytt I., 2245
Gardner, Richard A., 225, 1645
Garfinkel, Barry D., 2629
Garg, Santosh, 2112
Garland, M. J., 850
Garlington, W., 3593
Garn, Stanley M., 1060
Garner, John T., 375
Garnicka, Adolfo D., 288
Garove, William E., 1761
Garrett, John H., 2231
Garris, Raymond P., 601
Gartner, Lawrence M., 186
Gates, Jane K., 3346
Gates, S. C., 2955
Gatfield, P. D., 2956, 2975
Gatmaitan, Zenaida, 2910
Gaull, G. E., 297
Gautier, M., 2317
Gaziano, Elamuel P., 1264
Gearheart, Bill R., 3248, 3249, 3250, 3251, 3252, 3253, 3254, 3255, 3257, 3282, 3283, 3284, 3285, 3286, 3288, 3290, 3291, 3292, 3418
Geary, T. D., 1077
Geber, William F., 1913
Gebhardt, David O. E., 2377

Geddes, Dolores M., 1730
Geefhuysen, J., 1050, 2061
Geiger, William L., 427, 1299
Geist, Susana, 3018
Gelehrter, Thomas D., 2313
Gell, James W., 278
Geller, Edward, 2469, 3093
Gellis, Sydney S., 100, 1987, 2049, 2099, 2242, 3585
Genieser, Nancy B., 1943
Gennser, Gerhard, 1263
George, R. H., 1871
George, Rachel, 1271
George, William B., 2852
Georgiades, Nicholas J., 3411
Gerbie, Albert B., 76, 404
Gerbie, Melvin V., 404
Gericke, G. S., 2167
Gerig, Gaylord E., 3230
German, James, III, 3016
Germanowski, J., 1973
Gerritsen, Theo, 2964
Gershen, Jay Alan, 1086
Gershman, Janis, 1445
Gersony, Welton M., 123
Gersting, John M., 1840
Getman, Gerald N., 1286
Gettings, Robert M., 1654
Ghai, O. P., 253
Giangiacomo, Joseph, 2207
Giannini, Margaret J., 2102
Giardini, M., 2121
Gibbs, C. J., Jr., 133
Gibbs, Dorothy A., 1105
Gibbs, K., 1072
Giblett, Eloise, 1117, 2189
Gibson, A.A.M., 2010
Gibson, J., 830
Gickling, Edward E., 1371
Gigger, Mardi, 251
Gijsbers, T.H.J., 2156
Gilbert, Enid F., 2301
Gilbert, Grant O., 1629
Gilchrist, Kennedy W., 2301
Gilden, Donald H., 905, 908, 1898
Giles, Harlan R., 3011
Gilhool, Thomas K., 770, 3522
Gilkeson, Mary Ruth, 2336
Gill, D., 1918
Gillam, B. M., 297
Gilles, Dorothy Cordes, 1309
Gillespie, Patricia H., 1555
Gillung, Tom B., 1501
Gilmore, Doug, 3174
Gimlette, T.M.D., 1970
Gingold, William, 1499
Givens, James R., 2200
Glade, Philip R., 2908
Gladstone, Gwendolyn R., 123
Glantz, Leonard H., 3486
Glasgow, Allen M., 2880
Glass, Bentley, 2738
Glass, Gene V., 3237
Glass, Leonard, 1226
Glass, Raymond M., 568
Gleadhill, Valerie, 992
Glenn, Linda, 758
Gleser, Goldine, 903
Glick, Thomas, 957
Glidden, Laraine Masters, 1322, 2404
Gliddon, Jack B., 2227
Glousman, Ronald, 3093
Glover, Jenifer I., 408
Gluck, L., 3089
Goday, C., 1154
Goddard, Michael W., 1116
Goddu, Roland, 1475
Godfrey, Simon, 3078
Goebel, H. H., 265
Goh, Kong-oo, 2204
Golbus, Mitchell S., 996, 1803
Gold, R.J.M., 1822
Goldberg, Michael J., 3052
Goldberger, Arthur S., 1330
Golden, Mark, 3168
Goldenberg, Dorothea, 1412
Goldenberg, Robert L., 1243
Goldfarb, Robert, 3472
Goldiamond, Israel, 2616
Goldie, D. J., 2307
Goldman, Edward R., 1683
Goldsmith, W. J., 406
Goldstein, Gerald, 228
Goldstein, Hyman, 2748
Goldstein, Judith E., 2699
Goldstein, Sidney, 809
Goldstein, Stanley, 1997
Goldston, M. H., Jr., 1615
Golshan, M., 2132
Golter, Marianne, 155
Golubjatnikov, R., 323
Gompertz, David, 2988
Gonter, Martha, 642
Ganzalez, Carmen, 1884
Gonzalez, David A., 1895
Gooch, W. Manford, III, 3015
Goode, David A., 3357
Goodey, Patricia A., 2988
Goodlin, Robert C., 22, 64
Goodman, Libby, 3293, 3294, 3295, 3296, 3297, 3298, 3299, 3300, 3301, 3302
Goodman, R. M., 1183, 1184
Goodman, Stephen I., 303
Goodner, David M., 879
Goodwin, Donald W., 2920
Goodwin, Lane A., 1523
Goolamali, S. K., 2107
Goolsby, Elaine L., 3429
Gordon, Bonnie, 3326
Gordon, E. S., 2299
Gordon, Edmund W., 1772
Gordon, Hymie, 2202
Gordon, Myron, 1366
Gordon, Neil, 832
Gordon, Y. B., 201, 1200
Goren, Elizabeth R., 3406
Gorga, Delia I., 261, 701
Gorham, Kathryn A., 803
Gorini, Luigi, 343
Gorlin, Robert J., 2206, 2275, 2934, 3050
Gornall, Peter, 2006
Gosling, Paula H., 1911
Gotay, Felicita, 1239
Gothefors, Leif, 1846
Gottesman, Ruth, 1552
Gottlieb, Jay, 1461, 2489
Gottlieb, Michael C., 461
Gouge, Anda Lou, 2057
Gould, Judith, 1389
Goutieres, F., 264
Govan, Duncan E., 1181
Goyen, Judith D., 2458
Graap, Raymond F., 3011
Grace, H. J., 2151
Grace, Mary 3175
Grady, George F., 100
Graef, John W., 108
Graf, Mercedes, 1303
Graffeo, John, 67
Grafton, Warren D., 193
Graham, George G., 249, 252, 1245
Graham, P. J., 860
Graham, Vicki, 2402
Graham-Pole, J., 2010
Grahl-Nielsen, Otto, 305
Grahnen, Hans, 2064
Grainger, James K., 3397
Grand, Richard J., 1103
Grant, D. B., 1092
Granthan-McGregor, S., 2628
Grausz, John P., 1789
Graven, S. N., 71, 1802, 1829
Gray, F., 2307
Gray, Mary Z., 1626
Gray, O. P., 1147
Green, Bonnie, 903
Green, Harold P., 3485
Green, Joseph B., 2315
Greenberg, Gillian, 907
Greenberg, Jack O., 358
Greenberg, Sandra, 557
Greene, Ella, 2376
Greenfield, Wendy, M., 2826
Greenman, G., 2832
Greensher, Joseph, 948
Greenwood, Robert S., 2005
Greer, Bobby G., 802, 2585
Greer, John G., 435, 3235, 3321, 3324, 3348, 3444, 3351, 3448, 3513, 3572
Gribetz, Donald, 1120
Grieve, R., 3076
Griffin, Diane E., 912
Griffith, Robert, 3337
Griffiths, B. L., 377
Griffiths, W. D., 1976
Griggs, Robert C., 2090
Grix, Art, 2285
Grobe, H., 2028
Gromme, Roy O., 1431
Grose, Charles, 1909
Grosse, G., 2998
Grosse, K.-P., 2998
Grossman, Charles B., 358
Grossman, Moses, 1026
Grossman, Ronald P., 1551
Grove, David, 3338
Grover, Nicola, 366
Grover, Warren D., 272

Grundlingh, E. M., 3218
Grundy, Betty, 1939
Grunewald, Karl, 2653, 3528
Grunnet, Margaret L., 2013
Grunnet, N., 986
Grzeschik, K.-H., 2082
Guarnaccia, Vincent J., 1316, 3213
Guess, Doug, 1570, 3319
Guglielmo, Hope, 3472
Guha-Ray, Dilip K., 371
Guibaud, S., 1798
Gulak, Hubert, 2327
Gumbinas, Maria, 2103
Gunsolus, Pamela, 2022
Gupta, Vishnu, 30
Gupte, Suraj, 1062
Guralnick, Michael J., 569, 2405, 2447, 3320
Guroff, G., 304, 2983
Gururaj, Wymutt J., 2717
Guskin, Samuel L., 568
Gustafson, Anders, 2328
Gustavaon, K.-H., 346, 1134
Gutfried, U., 2998
Guthrie, Donald, 2763
Guthrie, Larry F., 1379
Gutierrez, Yezid, 909
Guy, L. Ruth, 196
Guyda, H., 274, 1169
Guze, Samuel B., 2920

Haahr, Jorgen, 2187
Haapalahti, J., 1079
Haar, Floyd L., 1980
Habel, A. H., 2386
Haber, Audrey, 2791
Habicht, Jeane-Pierre, 1232, 2337, 2950
Habt, Demissie, 2065
Hacham-Zadeh, Shoshanah, 1133
Hachinski, Vladimir C., 1122
Haciska, D. D., 2319
Hadden, D. R., 992
Haesslein, Hanns C., 22
Hafer, Marilyn, 3024
Haffner, M. Ellen, 1221
Hagberg, B., 1992, 2024, 2025, 2115
Hagberg, G., 2024, 2025
Hagele, Ch., 2998
Hagen, David, 85
Hahn, Gerry E., 480
Haight, Maryellen J., 1975
Hailey, D. M., 918
Haines, C. I., 1248
Hahn, Laurent G., 2626
Haire, D., 2842
Haka-Ikse, Katerina, 443
Hakanson, David O., 411
Hakansson, Guinilla, 2015
Hake, R. B., 2888
Halas, E. S., 2042
Halbrecht, I., 1219
Hale, R. W., 1809
Hall, Anna D., 1874
Hall, Bryan, 1803, 2224, 2282, 2285, 2316, 3058
Hall, Caroline Breese, 955
Hall, E. G., 927
Hall, Judith G., 379, 1944, 2162, 2878, 3057
Hall, Keith A., 1600
Hall, R., 2084
Hall, Robert T., 1269
Hall, W. Knowlton, 2119
Hallahan, Daniel, 1363
Haller, Ida P., 2919
Haller, Jerome, 1985
Hallet, Patricia, 3346
Halmi, Katherine A., 2158
Halperin, Mitchell L., 2961
Halpern, Andrew, 1399, 1403
Halpern, Charles R., 755
Haltia, M., 2115
Hamberger, Anders, 103
Hambleton, Garry, 920
Hambling, M. H., 167
Hamers, A. J., 338
Hamerton, J. L., 1119, 2788, 3027
Hamilton, E. I., 183
Hamilton, James L., 2408
Hamilton, Jane C., 1283
Hamilton, W., 1080
Hammersen, Gerhard, 2992
Hammerton, John L., 3007
Hammill, Donald, 580, 1405, 1559, 2427
Hammock, Mary K., 412
Hampson, Robert B., 3463
Hanaoka, Fumio, 1097
Hanck, Nancy Golden, 3287
Handford, H. Allen, 2375, 3423, 3533
Handley, E. Eugene, 1761
Handmaker, Stanley D., 2224
Haneberg, B., 2117
Hanid, Tessy K., 98
Hankerson, Henry, 2853
Hanley, John, 345
Hannaford, Alonzo E., 1502
Hannam, Charles, 815
Hansen, J.D.L., 2030, 2046, 2946
Hansen, Shirley, 2971
Hansman, David, 951
Hanson, Christopher R., 1637
Hanson, James William, 1945
Hanson, Peggy A., 176
Hanson, R. P., 323
Hanson, Ruth, 220
Hanson, Wayne, 3338, 3586
Hanssen, K. F., 2048
Hansson, K., 3037
Hansson, O., 2891
Harami, Sayuri, 2209
Harbach, Robert L., 1669
Harden, Ann, 260
Hardman, Michael L., 588
Hardy, Janet B., 2877
Hare, Betty, 1405
Harel, S., 425
Harford, Carl G., 1873
Hargis, Charles B., 1371
Hargrave, Elizabeth, 3163
Haring, Norris G., 547, 1465, 1483, 3270, 3271, 3272, 3373, 3274, 3275, 3276, 3278, 3506
Harkness, R. A., 906, 1090
Harley, J. McD. G., 351
Harley, J. Preston, 2135
Harnden, D. G., 2193
Harper, Cecelia T., 578, 1593
Harper, Juliet F., 1395, 3187
Harper, Peter S., 11, 1196, 1197
Harper, Robert G., 719
Harrah, Lyle M., 3042
Harrell, Mary Jane P., 895
Harrigan, John T., 1892
Harris, David J., 2277
Harris, Howard, 191
Harris, Maureen, 2845, 3490
Harris, Paul, 972
Harris, R., 2267
Harris, Ruth C., 258
Harris, Sandra L., 3406
Harris, V., 1256
Harris, Walter J., 530
Harrison, Harold E., 282
Harrison, Robert, 1811
Harrod, Mary Jo., 3034
Harryman, Susan E., 102, 234, 261, 695
Hart, Betty, 3325
Hart, Michael Noel, 2360
Hartline, J. V., 71, 1829
Hartman, Barbara L., 2652
Hartmann, Alexander, 1180
Hartup, Willard W., 3331
Hartz, Stuart C., 1855
Harvengt, L., 1074
Harvey, B.A.M., 936
Harvey, Donald, 1971
Harvey, Mary Ann Sedgwick, 2316
Harwood, Patricia J., 2957
Harzen, Peter, 3424
Haskins, James, 789
Haskins, Ron, 3127
Haslam, Robert H. A., 2110, 2926, 3023
Haspel, Martin V., 156
Hass, Gerald, 867
Hass, Jayne, 553
Hassanein, E. A., 1055
Hasselgren, Karl Henrik, 2074
Hassler, R., 133
Hatcher, Roger P., 3232
Hathaway, William E., 993
Hauser, Stephen L., 1396
Hauser, W. Allen, 2138
Haust, M., Daria, 2975
Haviland, Jeannette, 3167
Hawcroft, Janet, 2980
Hawrylewicz, Ervin J., 2936
Hay, Linda R., 3457
Hay, William, 3457
Hayashi, Ken, 3028
Hayashi, Robert H., 1827
Hayashi, T. T., 1973
Hayden, Alice H., 3506
Hayden, Bernard L., 396
Hayden, Cathy, 1577

Hayden, Patricia W., 30
Hayek, Alberto, 2155
Hayes, Charles S., 2464, 3135
Hayes, Thomas A., 2630
Haymond, Morey W., 120, 179, 2005
Haynes, R. E., 118, 2881
Haynes, Una B., 3504
Head, Joan, 3575
Headrick-Haynes, Mary, 3507
Healey, William C., 416
Heath, Richard E., Jr., 1813
Heath, Timothy D., 950
Heaton, Robert K., 328
Hecht, Frederick, 1148, 1843
Heerema, N. A., 23
Hefley, Robert J., 1615
Hegarty, John R., 2540
Heggeness, Lucille, 2897
Heggie, Alfred D., 149
Heifetz, Louis J., 3313
Heighton, Robert, 2763
Hein, Herman A., 1695
Heine, M. Wayne, 3011
Heinonen, Olli P., 1855
Heiny, Robert W., 3535
Heird, William C., 1236, 2351
Hekmat, K., 163
Helland, Constance D., 3460
Hellegers, Andre E., 12
Hellstrom, B., 1205
Hemsley, Rosemary, 1390
Henderson, Kenneth C., 2387
Hendrickson, Jo, 3370
Heneghan, Walter D., 3013
Hennigar, G. R., 1113
Henriksson, Per, 1965, 2326
Henry, Joan, 1435
Herbert, Emily, 3432
Hermansen, Leif, 2920
Hermelin, Beate, 3130
Hermes, Margaret, 3358
Hernandez, Alejandro, 2283
Herndon, Robert M., 912
Herr, Stanley, 596
Herrin, John T., 957
Herrmann, J.P.R., 2299
Herrmann, Jurgen, 2274, 3051
Herrmann, Kenneth, 1874, 1932
Herrod, Henry, 2162
Herschkowitz, N. 3399
Hershko, C., 985, 1958
Hertzig, Margaret E., 3106
Hesse, Kathleen, 2248
Hester, Callie Burnette Robinson, 636
Hester, Peggy, 3370
Heukels-Dully, M. J., 2976
Heuser, Eva T., 2287
Hewett, Sheila, 2709
Heydorn, K., 293
Heyma, Paula, 1162
Heyworth, B., 1047
Hibbard, Bryan, 2267
Hibbert, Sue R., 308
Hicks, Elaine, 2376
Hide, David W., 2261
Higenbottam, John A., 2475
Higginbottom, J., 398
Higgins, J. V., 2955
Higgs, S. C., 881
Hilal, Sadek K., 1872
Hilditch, C. Judith, 1138, 1139
Hilgartner, Margaret W., 1160
Hill, A., Lewis, 445, 2762
Hill, David L., 1264
Hill, F.G.H., 934
Hill, Freddie L., 895
Hill, Harriet G., 3032
Hill, Harry R., 1870
Hill, Helene Z., 1073
Hill, Otis, 158
Hill, Patricia M., 2762
Hilleman, Maurice R., 916
Hillman, Laura, 917, 2216
Hilty, Milo D., 118, 2881
Himebaugh, Janet, 2217
Hirsch, Harold L., 1826
Hirsch, W., 320
Hirschberger, Moshe, 1930
Hirschhorn, Kurt, 297, 327, 340, 1104, 2011, 2038, 2247, 2828, 2974
Hirschmann, Asna, 3061
Hitchcock, Edward, 2006, 2016
Ho, C. K., 2269
Ho, Monto, 169, 1903
Ho, Sze Kuen, 2392
Hoar, D. I., 1153
Hobbins, J. C., 2310
Hobel, Calvin J., 1937
Hobolth, Niels, 1145
Hobson, Derek, 1187
Hobson, Douglas A., 1102
Hockberg, Fred H., 2894
Hochberg, H. M., 70
Hochstein, Paul, 309
Hockey, Athel, 2847
Hoefnagel, D., 1172
Hoehn, Holger, 877
Hoehne, K., 1954
Hoffman, William H., 3046
Hofmeister, Alan M., 561
Hogan, J. M., 1915
Hogg, James, 3419
Hogue, Carol J., 1832
Holbrook, Richard C., 3541
Holden, E. Michael, 2388
Holden, William, 2021
Holder, Loreta O., 1464
Holder, Thomas M., 2277
Holick, Michael F., 285
Holland, Lana, 1373
Holland, Nancy H., 2085
Holland, Paul, 1619
Holland, Terrill R., 520
Hollis, John H., 546
Holloway, Betty D., 541
Holloway, Susan M., 882
Holm, Anna-Karin, 2064
Holm, Vagn, 2187
Holman, R. R., 1013
Holmberg, M., 3037
Holmberg, Nola Janine, 3591
Holmes, Earle W., 2081
Holmes, Lewis B., 2822
Holt, Sarah B., 355
Holter, H., 2310
Holtzman, N. A., 284, 2072, 2096, 2108
Holvoet, Jennifer, F., 1595
Hon, E. H., 78, 87, 878, 1814, 1848
Honzik, Marjorie P., 3225
Hood, Carol, 3015
Hoogenraad, Nicholas J., 1910, 2930
Hook, Ernest B., 89, 350, 1839, 2994
Hooper, P. D., 2806
Hoorweg, Jan, 2031
Hoover, Todd, 642
Hopen, G., 360
Hopkins, Linton C., 1920
Hopwood, Nancy J., 2125
Horai, Joann, 1316
Horan, Frank, 2271
Hordof, Allan, 123
Horejsi, Charles R., 1680
Horgan, James Stephen, 423
Horiguchi, Terusada, 994
Horino, K., 931
Horn, Nina, 293
Horne, Marcia Dianne, 510
Horstmeier, Deanne, 2703
Horton, Kathryn B., 3430
Hoskova, Anna, 2914
Hosli, P., 2985
Houck, Cherry, 3372
Houck, Ernest, 3372
Hougen, Thomas J., 1216
Houser, Carolyn, 2022
Houston, Ian B., 2965
Hovi, T., 2989
Howard, Patricia N., 1116
Howard, Rufus O., 1126
Howat, Francis, 3501
Howat, P., 1955
Howatt, William F., 1271
Howell, A., 1105
Howell, R. Rodney, 3047
Howell, Sandra C., 2673
Howlin, Patricia, 1390
Hresko, Wayne Paul, 1334
Hsia, Yujen Edward, 705
Hsiung, G. D., 110
Hsu, Lillian Y. F., 327, 340, 1120, 2247
Hubbell, John P., Jr., 1962
Hubbell, Mimi, 1716, 3239
Hucker, S. J., 3151
Hudson, F. P., 1088
Hughes, Anthony O., 1805
Hughes, Arthur, 88
Hughes, G. C., 2832
Hughes, Robert, 1558
Hughson, E. Anne, 2539
Huisman, T.H.J., 1957
Huizinga, Raleigh J., 1373
Hulka, Jaroslav F., 1806
Hullinger, James L., 652
Huls, Beth, 1353
Hultberg, V., 2076
Humbel, R., 2985

Hundford, H. Allen, 3189
Hung, Cheng T., 1892
Hunsaker, Don, 1519
Hunt, C., 420
Hunt, Carl E., 2383
Hunt, Gillian M., 3066
Hunt, Jane V., 3171
Hurd, Jeanne Marie L., 1977
Hurley, John K., 1167
Hurley, Lucille S., 2033
Hurley, Oliver L., 587
Hurwitz, Nina, 2020
Hussels-Maumenee, Irene, 365
Hustinx, T.W.J., 2156
Hutchinson, D. L., 1973
Hutchinson, David, 1620
Hutchinson, James H., 1080
Hutchinson, W. M., 1853
Hyams, Phineas J., 1884
Hyman, Carol B., 1957
Hyman, Irma, 3503
Hyman, Joan, 1358

Ianacone, Robert N., 1476
Iancu, T., 1130, 1219
Idemoto, Judi Y., 3053
Idriss, Ziad H., 2113
Ifekunigwe, Aaron, 257
Iffy, Leslie, 1293, 1801
Ignacio, Olegario J., 2296
Ikonne, J. U., 1106
Illig, Ruth, 2091
Illis, L. S., 944
Imagawa, David T., 1937
Indra, Rajagopalan, 1807
Indyk, Leonard, 402
Ingenbleek, Y., 1057, 2037
Ingraham, R. L., 2724
Ingram, Cregg F., 528
Ingram, D., 1249, 3328
Inman, W.H.W., 907
Innerfield, Irving, 2102
Inoue, Y. K., 953
Iraci, Joseph, 614
Ireton, H., 420
Irvin, Larry, 1399, 3378
Irvin, Nancy, 1748
Issac, John Francis, Jr., 483
Issacson, Robert L., 2918
Isaev, D. N., 3094
Iscoe, I., 1682
Isenberg, J. Nevin, 276, 1100
Islam, Moinuddin, 2123
Isomura, Shin, 2100
Israel, Jeanette N., 3061
Itabishi, Hideo H., 1179
Itil, Turan M., 3229
Ivanans, Teresa, 1342
Iversen, K., 289
Ives, Elizabeth J., 3018

Jackson, Doreen, 1092
Jackson, Gary M., 2622
Jackson, Jennifer, 3059, 3060
Jackson, Joseph E., 157, 1877, 2887
Jackson, L., 3020
Jackson, M. W., 3407
Jackson, Robin, 2591
Jackson, Stephen, 1558
Jacob, Jacob C., 2123
Jacobs, Antoinette Cyrulik, 2924
Jacobs, Jacqueline E., 470
Jacobs, Patricia A., 349, 1138, 1139
Jacobs, W., 2724
Jacobsen, B. Brock, 2116
Jacobsen, K. G., 2117
Jacobsen, Petrea, 1145
Jacobson, Antone, 3090
Jacques, Skip, 375
Jaeken, J., 1074
Jaffe, R. B., 2867
Jagiello, Georgiana, 67
Jahodova, M., 2976
Jaiswal, Vishnu, 1226
Jakobovits, Antal, 1293
Jalbert, H., 2153
Jalbert, P., 2153
Jalling, Birgitta, 2140
Janzen, William, 2894
James, Jean, 395
James, L. Stanley, 894, 2323, 2381
James, Thomas, 2085
Jamison, D. L., 860
Jancar, J., 376, 713
Janerich, Dwight T., 1768
Janiger, Oscar, 2239
Jansen, Jette, 2272
Jarrett, Herbert N., 3356
Jarvinen, P. A., 32
Jarvis, Charles W., 1262
Jeansson, Stig, 135
Jeffree, Dorothy, 1751
Jeffrey, P., 1078
Jelliffe, D. B., 257
Jellum, Egil, 2971
Jencks, Judith A., 77
Jenkins, E. C., 2727, 3016
Jenkins, Joseph R., 579
Jenkins, Patricia A., 2380
Jenkins, William M., 3321
Jenkyn, Roy, 1140
Jennison, R. F., 2267
Jensen, Guy, 2275
Jensen, Inge, 2130
Jensen, O. Myhre, 986
Jensen, Vicki, 3450
Jeschke, Thomas A., 2510
Jewett, John Figgis, 388
Jimenez, Juan M., 401
Jimenez, Miguel, 2289
Jipson, Frederick J., 2764
Joachim, Ron, 3417, 3592
Jockin, Hubert, 403
Jodl, J., 2334
Joffe, M., 1050, 2061
Johannes, Richard S., 171
John, R. W., 2361
Johnsen, Stanley D., 166
Johnson, Byron R., 948
Johnson, Creigh R., 2622
Johnson, Curtis C., 30
Johnson, David, 375
Johnson, Doris J., 1348
Johnson, John D., 1962
Johnson, John L., 613
Johnson, Leon, 2393
Johnson, Lois B., 1934
Johnson, Martha Sanford, 800
Johnson, Nancy M., 3429
Johnson, Paul E., Jr., 375
Johnson, Peter C., 904
Johnson, Richard T., 148
Johnson, Robert H., 784
Johnson, Shirley J., 2462
Johnson, Stanley W., 3102, 3103, 3104, 3105, 3259, 3260, 3261, 3262, 3263, 3264, 3265, 3266, 3267, 3400, 3401, 3402, 3403, 3404, 3405, 3583
Johnson, Thomajean, 3457
Johnsonbaugh, Roger E., 1043
Johnston, Alan W., 2988
Johnston, Dede, 542
Johnston, Gerald S., 1083
Johnston, John M., 401
Johnston, Robert B., 3, 102, 206, 234, 261, 318, 417, 828, 829
Johnstone, B. Kenneth, 1507
Jones, A. L., 383
Jones, Bill, 242
Jones, C. D., Jr., 610, 1488
Jones, J. J., 2947
Jones, Kenneth L., 364, 1860, 2316
Jones, Linda, 1518
Jones, Margaret H., 2924
Jones, Marshall B., 94
Jones, Mary B., 1781
Jones, Oliver W., 2221
Jones, Reginald L., 3363
Jones, Roy, 712
Jongbloet, P. H., 338
Jonsen, A. R., 850
Joosten, E.M.G., 2156
Joplin, Claire, 2339
Jordon, Barbara, 579
Jordan, Douglas E., 422
Jordan, M. M., 409
Jordan, Rita R., 3422, 3427
Jordan, Valerie Barnes, 2413
Jordon, Elizabeth, 3338
Jorgenson, Ronald J., 2281, 3056
Joseph, Michael, 2001
Jouppila, Pentti, 16
Juberg, Richard C., 1206
Jukes, Thomas H., 1866
Julian, G. Garcia, 1163
Jung, August L., 3043
Justen, Joseph E., III, 560

Kaback, Michael M., 51, 2071, 2146
Kaderbhai, R., 2094
Kadowaki, Junichi, 24, 326, 335
Kaemmer, Arthur W., 948
Kafee, Sarah, 2908
Kagi, Carole, 3574

Kahana, Esther, 966
Kahn, James, 1276, 3157, 3369
Kaiser, Allen B., 117
Kalicanin, P., 1171
Kamijyo, Y., 2990
Kamil-Goshgarian, Nancy, 3082
Kaminer, Ruth, 1552
Kamisaka, Kuzuaki, 2910
Kamm, Richard C., 2136
Kan, Yuet Wai, 996
Kanfer, Julian, 2982
Kang, Ellen S., 2973
Kang, Ke Won, 1840
Kanofsky, Paul, 1293
Kanwar S., 1013
Kaossar, M. E., 2185
Kaplan, Marshall M., 100
Kappauf, William E., 3238
Kappelman, Murray, 1305, 1531, 2432
Karefa-Smart, John, 2739
Kari, Markku, 1161
Karl, Irene E., 179
Karlsson, Borje, 1786
Karnes, Lucia R., 535
Karoum, F., 1067
Karp, Laurence, 877, 1117
Karp-Nortman, Doreen S., 416
Karpati, George, 2105
Karsh, Richard B., 1124
Karzon, David T., 970
Kass, Corrine E., 471, 1365, 1409
Kass, Ethel R., 3327
Kastrup, K. W., 2048, 2116
Katchen, B., 151
Katz, M., 3030
Katz, Shlomo, 2592
Katz, Solomon H., 997
Kauffman, Ralph E., 1868
Kaufman, Alan S., 524
Kaufman, Herbert, 2449
Kaufman, Melvin E., 3332, 3333, 3334
Kaufman, R. L., 1759, 2216, 2269
Kaufman, S., 1093, 2072
Kaufman, Seymour, 284, 286, 2973
Kazdin, Alan E., 723
Kazmaier, Kathy J., 292
Keating, James P., 120, 179
Keele, Doman K., 1373
Keele, Marjorie S., 1373
Keeran, Charles V., 2763
Kehoe, Bonnie, 3450
Keilitz, Ingo, 1595
Keith, Ian, 3078
Keith, Louis, 142, 892
Kekomaki, Martti, 2394
Kelalis, Panayotis P., 2202
Kelleher, John, 1596
Keller, John M., 1327
Kellett, Brenda, 2440
Kelley, Laura Nicholl, 2445
Kelley, V. C., 1109, 2142
Kellogg, Bonnie, 59
Kelly, A. M., 2073
Kelly, Anthea, 846
Kelly, James M., III, 153
Kelly, N. Karen, 1754
Kelly, R. W., 906
Kelly, Thaddeus E., 36, 261, 318, 1084, 2071, 2099
Kelly, Thomas W., 949
Kelly, Tom, 3514
Kemeny, P., 1149
Kempe, C. Henry, 224
Kempe, Henry, 1984
Kempton, Winifred, 566
Keniston, Richard C., 84, 1252
Kennaway, Nancy G., 2957
Kennell, John, 1748
Kenney, Michael J., 2852
Kenny, Eleanor, 1425
Kenny, Frederick M., 2125
Kenny, Michael T., 157
Kenny, Thomas J., 227
Kenowitz, Leonard A., 1567, 1568
Kent, C. E., 3476
Kent, Don, 773
Kenward, Caroline 1223
Keogh, Barbara, 1559
Kern, Bonnie, 656
Kernahan, Carol, 3036
Kerr, Charles, 378, 2255
Kershner, John R., 1370
Kester, Donald L., 1515
Khalil, M., 2967, 2968
Khan, Abdul Jamil, 373
Khan, Aman U., 382
Khan, Waheed, 150, 1861
Khuri-Bulos, Najwa, 1926
Kicklighter, J. Leilant, 1884
Kidd, John W., 1574, 1588
Kiefer, Charles C., 1469
Kiernan, C. C., 3423, 3427
Killam, Allen P., 1813
Killen, James R., 451
Kilroy, Anthony, 275
Kilshaw, B. H., 906
Kim, Hyon J., 327, 340, 2083, 2247
Kim, Hyuan Wha, 1938
Kim, Yong H., 2717
Kim, Young Kil, 595
Kimbrell, Harrison W., 535
Kimbrell, Robert A., 2147
Kind, Hanspeter, 2091
Kindred, Michael, 747, 751, 2637
Kindt, Glenn W., 2901
King, H.O.M., 945
King, J., 2059
King, J. O., 2133
King, Larry W., 722
King, M., 1682
King, Maurice G., 1395
King, Oscar Y., 1042
King, Peter D., 496
King, Theodore M., 886
Kingsley, Ronald F., 589
Kinsbourne, Marcel, 204, 458, 1003
Kiraly, John, Jr., 567
Kirk, Samuel A., 1364, 1559
Kirkland, I. S., 2006
Kirkland, Marjorie, 1668
Kirkpatrick, Joel B., 2309
Kirkpatrick, William J., Jr., 583
Kirman, Biran, 1, 726
Kirsch-Volders, M., 20
Kiss, Peter, 2201
Kissane, James Q., 2936
Kitau, M. J., 31, 1200
Kitterman, Joseph A., 1255
Kjellmer, Ingemar, 2328
Klain, David B., 2332
Klassen, Gerald, 2105
Klaus, Marshall, 1748
Klein, D., 2163
Klein, Michael, 952, 3460
Klein, Robert B., 963
Klein, Robert E., 1232, 2067, 2337, 2340, 2950
Klein, Rosalyn, 590
Kleinberg, Fredric, 1930
Kleinebrecht, J., 1202
Klett, Sylvia Z., 1638
Kline, Carl L., 2000
Klionsky, Bernard, 888
Klosowski, Raymond, 3451
Knapczyk, Dennis R., 437
Knapp, Deborah S., 1579
Knapp, Richard F., 1124
Knight, John, 1600
Knobeloch, Calvin, 102, 261, 318, 824
Knobloch, Hilda, 493
Knowles, Claudia, 1622
Knox, Eric, 191
Knutsen, V. K., 2759
Kobayashi, Hideo, 2152
Koch, Barbara, 172
Koeff, Steve T., 1271
Koenig, Harold M., 999
Koerper, M. A., 2912
Kogut, Maurice D., 2052, 2963
Kohl, Sheryl, 2901
Kohn, G., 2997
Kohn, J., 21
Koivikko, Antti, 2890
Koivisto, M., 1079
Kokaska, Charles, 589
Kokaska, Sheren Metz, 574
Kolb, Jonathan E., 328
Koler, Robert D., 2957
Kolodny, Edwin H., 54
Komlos, L., 1219
Kontras, Stella Bicouvaris, 2859
Kooh, Sang Whay, 285
Koopman, James S., 1937
Kopchick, George A., Jr., 1701
Kopelman, Arthur E., 964, 2897
Kopp, Claire B., 2791
Kopp, William A., 2637
Koppitz, Elizabeth Munsterberg, 1411
Koprowski, Hilary, 905
Korbott, Paula, 3417
Korengold, George, 150
Korner, Anneliese F., 1221
Kornetsky, Conan, 1349
Kornfalt, R., 2334
Kornfeld, Mario, 1085
Korobkin, Rowena, 1218
Korten, J. J., 2156

Kosinski, Shae, 1323
Koslow, S. H., 2072
Koster, J. F., 2976
Kotin, Lawrence, 2522
Kousseff, Boris G., 327
Koutts, Jerry, 1856
Kouvalainen, Kauko, 1087
Kowarski, Avinoam, 249
Kozlowski, Nancy L., 3473
Kraemer, Helena C., 1221, 3162
Krager, John J., 1995
Krajicek, Marilyn J., 822, 2803, 2804, 3471
Kramer, John R., 754
Kramon, Daniel Louis, 491
Krasnoff, Margaret J., 1282
Krause, Fred J., 1662
Krauss, Alred N., 2332
Kravath, Richard E., 2385
Krenyi, Thomas D., 893
Kreth, H. W., 173
Kreuger, A., 1966, 1967
Krever, Horace, 60
Krieger, Ingeborg, 2044
Kriger, Sara Finn, 1278
Krikler, R., 1155, 1156
Kristensen, Herluf, 2148
Kristensson, K., 2891
Krivit, William 706
Kromer, Keith, 1624
Kronheim, S., 1053
Kronick, Doreen, 3279
Kronmal, Richard A., 2339
Krouskop, W., 1266
Krug, David A., 547, 1465
Krumholz, A., 284, 2072
Krus, Patricia H., 2581
Kuenzler, M., 3399
Kueppers, F., 2199
Kugel, Robert B., 3558, 3559, 3564, 3600
Kuhl, Wanda, 1107
Kuhn, Jerald P., 403
Kuhns, Lawrence R., 1246
Kukolich, Mary, 379
Kulapongs, Panja, 255
Kumar, Ajit, 1225
Kumar, K. V., 473
Kumor, Karen, 2071
Kuna, Daniel J., 1646
Kuntz, Janet Beth, 599
Kunze, J., 2996
Kunzer, W., 1954
Kurent, Jerome E., 107
Kurland, Leonard T., 2138
Kurrie, Dorothy, 2070
Kurtz, P. David, 3443
Kushlick, A., 698, 1724, 1763, 1989, 2618, 3409, 3531
Kutty, Madhavan, 2123
Kuutti, E.-R., 32
Kuwabara, Toichiro, 2983

Laats, J., 2185
Labay, Michael J., 2481
Laberge, Claude, 274
Lacassie, Yves E., 3004
Lacey, R. F., 1886
Lachman, Ralph S., 2382
Ladimer, Irving, 2846
Lafer, Charlotte, 3049
Lafferty, Roscoe Beecher, Jr., 512
LaFleur, N. Kenneth, 1363
Lagarde, Roger, 2007
Lagerkvist, Bengt, 129
Laguna, J., 2304
Laidler, James, 2945
Laing, Alice F., 1359
Lake, B. D., 294, 857
Lala, Rasila V., 1226
Lamb, M. P., 99
Lambert, B., 3037
Lambert, Nadine M., 3209
Lambert, T., 708
Lamberts, Frances, 3137
Lampert, Peter, 1081
Lamport, Lance Clifford, 623
Lance, Wayne D., 1575
Landesman-Dwyer, Sharon, 3081
Landing, Benjamin H., 2287
Landis, Sandra, 2703
Landrigan, Philip J., 1920
Langer, Alvin, 138, 139, 1004, 1892
Langford, William S., 1996
Lanman, Jonathan T., 2323
Lansdown, Richard, 1297
Lansford, Annette, 2848
Lansing, Cornelius, 3219
Lansky, Lester L., 141
Lapidus, Marilyn, 15
Lapierre, Y. D., 2613
Lappe, Marc, 44, 2811
Larin, Frances, 2364
Larkins, R. G., 1162
Laros, R. K., Jr., 2867
Larroche, J. C., 1946
Larsen, Gorm, 2148
Larsen, Loren J., 244
Larsen, Marianne, 2103
Larsen, P. Reed, 2087
Larsen, Stephen C., 3245
Larsen, Stephen J., 580
Larson, Eunice, 3005
Larson, Steven A., 3009
Lasky, Robert, 2337, 2340, 2950
Lassman, L. P., 2262, 3064
Lathey, Jonathan, 1324
Latimer, Ruth, 2746
Lattimer, John K., 1166
Lauder, I. J., 1131
Lauer, Brian, 1026
Lauersen, Niels H., 887
Laugier, J. M., 2118
Laukkanen, Riejo, 1504
Laul, Virgil, 2327
Laurence, K. M., 377, 2258, 2267, 3067
Lauritsen, J. Glenn, 986
Lavely, Carolyn, 1590
Lavinha, F., 1071
Lavis, Leonard, 1570
Lavyne, Michael H., 2364
Law, Pamela, 1138, 1139
Lawce, Helen J., 2214
Lawhon, Del, 1640
Lawless, Robert W., 2344
Lawrence, Elizabeth A., 1578
Lawson, A. M., 2959
Lawson, James H., 1922
Lax, Bernard, 3335
Laxova, Renata, 866
Lazar, Alfred L., 3375
Lazjuk, G. I., 2300
Lazoff, Stephen G., 2292
Lazzara, J., 977
Leadbetter, Guy, 1181
Leary, P. M., 1132
Leavitt, Lewis A., 2839
Lebowitz, Joyce, 2972
Lechtig, Aaron, 1231, 1232, 2067, 2337, 2340, 2950
Leck, Ian, 1201
Lederberg, Seymour, 2810, 2823, 2825
Ledwith, F., 522
Lee, A. R., 122
Lee, Chang Y., 61
Lee, Chi-Jen, 2939
Lee, D. H., 1767
Lee, Kwang-Sun, 186
Lee, Sherwood B., 403
Leech, I. M., 2928
Leech, Richard W., 901, 902, 946
Leek, A. E., 31, 1200
Lees, Martin H., 2384
Leff, Ruth B., 1494
Lefkowitz, Martin, 3054
Lehane, D., 1970
Lehman, Elyse J. B., 2131
Lehman, T. W., 3549
Lehner, T., 168
Lei, Tzuen-Jen, 2623
Leighton, P. C., 1200
Leiman, Arnold L., 153
Leiss, Robert Henry, 1529
Leisti, Jaakko T., 2146
Leith, Virginia M., 3391, 3392
LeJarraga, H., 2938
Lejeune, J. A., 2118
Lenau, Heidermarie, 2188
Lennox, E. L., 1192
Lensink, Brian, 3530
Leo, Patricia, 1847
Leonard, Dwight James, 525
Leonard, Lawrence B., 1356, 2450
Leonard, T. J., 3500
Leppaluoto, J., 1079
Lerer, Pamela B., 2434
Lerer, Robert J., 2434
Lerner, Michael, 2735
Leroy, J. G., 1048
Leschot, N. J., 1824
Lesinski, John, 75
Lessof, M. H., 1791
Lester, William, 2333
Letarte, Jacques, 274
Letsky, Elizabeth A., 934
Letts, R. M., 1102
Leunes, Arnold, 2693

Leva, Richard A., 3240
Leventhal, John M., 1817
Levic, Zvonimir M., 2293
Levin, Lowell S., 2655
Levin, Stanley, 1165, 2020
Levine, Carolyn W., 418
Levine, M., 2724
Levine, Marshall D., 1864
Levine, Martin N., 3216
Levine, Michael S., 418
Levine, Seymour, 1906
Levinsohn, Morris W., 909
Levinson, Harold N., 2428
Levit, Fred, 2900
Leviton, Alan, 15
Leviton, Harvey, 567
Levitsky, L., 250
Levitt, Leroy P., 1697
Levitt, Sophie, 1766, 3470
Levkoff, Abner H., 2372
Levy, David E., 1244
Levy, Harvey L., 91, 1065, 1962, 2106, 2819, 2992
Levy, Sidney M., 671
Lew, Michael A., 124
Lewandowsky, Raymond C., Jr., 3021
Lewenthal, H., 313
Lewin, Edward B., 973
Lewis, B. Victor, 866, 2851
Lewis, I. C., 1888
Lewis, J., 201
Lewis, Marion, 2189
Lewis, Michael, 3100, 3165
Lewison, Nancy, 1549
Lewontin, R., 97, 852
Leznoff, Clifford C., 2961
Liang, D. C., 121
Liberman, M. M., 2959
Libman, I., 1204
Lichtenstein, Jack, 2500
Lichtman, David Isidore, 638
Licko, V., 2912
Lief, Fiorence S., 905
Liew, S. W., 1251
Lightner, Elmer S., 3011
Lilly, M. Stephen, 1596
Linarelli, Louie G., 330, 332
Lincoln, Christopher, 2001
Lindberg, U., 1992
Lindblad, Bengt, 2077
Lindenbaum, Jeffrey E., 131
Lindenbaum, R. H., 1115
Lindstedt, G., 289
Lindsten, J., 854, 1205, 3307
Lines, D. R., 2954
Lin-Fu, Jane S., 192
Link, Robert, 1399
Linman, John E., 79
Linman, Sally K., 79
Linnebur, A. Carolyn, 368
Linnemann, Calvin C., Jr., 973, 1939
Linscheid, Thomas R., 261, 318
Lipkin, Mack, Jr., 2843
Lippman, Leopold, 758, 1694, 3441, 3582
Lipsitz, Philip J., 27
Lipton, Morris A., 3087
Lister, Dolores Ann, 1530
Litchman, Henry, 2021
Little, George A., 963
Littlefield, John W., 2106
Littlewood, J. M., 983
Liu, H. Mei, 2103
Livingston, Robert B., 1045
Lloyd, Carol, 1585
Lloyd, John, 1548
Lloyd, Lyle L., 3128
Lloyd, Mary, 377
Loda, Frank A., 3328
Loeb, H., 2985
Loesch, Danuta, 868, 3038
Loeffler, Frank J., 3216
Logue, G. D., 2425
Lombardi, G., 2232
Lombardi, Vincent Paul, 819
Lombroso, C. T., 1917, 2126
Lomena, Philomena, 3092
Londeree, Ben, 2393
Loney, Jan, 218, 1386
Long, Linda, 1353
Longhi, Pamela, 641
Longhurst, Thomas M., 2451
Longmore, H.J.A., 1916
Looney, Gerald L., 1029
Lopez, Vincente, 329
Lorber, J., 385, 718, 1142, 1195, 3068
Lord, Linda, 3091
Lortscher, Randall H., 2190
Loschen, E. L., 855
Losel, I., 310
Losleben, Jeanne, 1277
Lott, Ira T., 2982
Lott, Leroy A., Jr., 1480
Lottman, Michael S., 1666
Lotz, Patricia, 1515
Lovaas, O. Ivar, 2410
Love, E. R., 1098
Lovejoy, F. H., Jr., 1917
Lovitt, Thomas, 703, 1362, 1546
Lowden, J. Alexander, 236
Lowe, A. J., 1590
Lowe, C. R., 2267
Lowe, Charles U., 3481
Lowell, Marilyn, 2471
Lowenfeld, John, 520
Lowensohn, R. I., 87
Lowenthal, A., 1071
Lowenthal, Barbara, 3128
Lowry, R. B., 319, 356, 1061, 1176, 3071
Lowry, Paul W., 2443
Lozito, John C., 359
Lozoff, Betsy, 2056
Lubin, A. Harold, 2893
Lubozyniski, Michael F., 2026
Lubs, Marie-Louise, 3025
Lucas, Russell V., Jr., 2383
Lucero, William J., 3455
Lucey, Jerold F., 1240
Luckey, Robert E., 1658, 2758, 3349
Ludcke, Jorg B. P., 1950
Ludy, Isa Elizabeth, 489, 1464
Luick, Anthony H., 1554
Luna, Ruby, 3519
Lundberg, Ake, 2017
Lunzer, Michael R., 1041
Lupin, Mimi, 1022, 1979
Luria, Salvadore E., 2726, 2727
Lurie, I. W., 2300
Luscomb, Richard L., 3463
Luszcz, Mary A., 1312
Lutschig, J., 2129
Lutz, P., 2960
Lutz, Sandra, 556
Luzzatti, Luigi, 2292
Lycke, E., 2891
Lyle, J. G., 2458
Lynch, Edward J., 1443
Lynch, Elizabeth, 487, 488
Lynch, Margaret A., 221
Lyon, Birgit Blatt, 266
Lyon, I.C.T., 2767, 2965
Lyon, Mary, 1252
Lyttle, J. A., 1853

Maag, U. R., 1822
MacDermot, J., 294
MacDonald, Helen, 1858
MacDonald, Janeen M., 137
MacDonald, Paul C., 336
MacDougall, Jean Y., 1961
MacFarlane, David W., 962
MacGee, Joseph, 1085
MacGillivray, Ian, 399
MacHenry, J. C., 351
Mack, Thomas, 1919
MacKay, Bruce, 1042
MacKay, D. N., 3557
MacKay, Mary, 1996
MacKenzie, Ian G., 239
Maclaren, Noek K., 296, 2093
MacLean, Murdoch W., 2988
MacLeay, Allen, 1395
MacMahon, James R., 1932
MacMillan, Donald L., 1313, 3363
Macri, J. N., 72
Madan, P. L., 145
Maddaiah, Vaddenahally T., 2101
Madle, Ronald A., 3443, 3446
Madsen, Michael, 3043
Mage, Michael, 344
Maggart, William T., 3317
Magnelli, Norma C., 1121
Magrab, Phyllis R., 3, 102, 206, 234, 261, 318, 492, 826, 829
Maggs, Alex, 3310
Maguire, Marcia, 3159
Mahan, George M., 2221
Mahar, Carolyn, 530
Mahasandana, Chularatana, 993
Maher, Kevin R., 1395
Mahloudji, Mohsen, 1173
Mahmood, Khalid, 370
Mahmoud, Cathy Crossland, 1371
Mahoney, Darrell J., 2743, 3380, 3382, 3384

Mahoney, Gerald J., 2400, 2442, 3117, 3118, 3119
Mahoney, Maurice J., 2077, 2972, 3482
Maira, G., 413
Maisels, M. Jeffrey, 1257
Makela, Anna-Liisa, 2890
Makowski, Edar L., 993
Malamud, Nathan, 1896, 2260
Malan, A. F., 881, 2759
Malever, Michael, 1613
Malka, J., 2153
Malmqvist, E., 1205
Malone, Michael J., 1029, 1030, 1285, 2009
Malpuech, George, 2007
Mamer, Orval A., 2105
Manaster, G., 1682
Mandansky, Chuck, 343
Mandell, Roseann, 2106, 2992
Mandybur, Thaddeus I., 1907
Manes, Cole, 3581
Manges, Kenneth Jay, 731
Manghani, Kishu K., 1041
Maniello, Robert L., 976
Mankinen, Carl B., 3010
Mann, Leon I., 1810, 2391
Mann, Lester, 3293, 3294, 3295, 3296, 3297, 3298, 3299, 3300, 3301, 3302
Mann, M. D., 2030, 2036, 2946
Mann, Roger, 244
Manning, F., 1929
Mansergh, Gilbert P., 558
Manuelidis, Elias E., 104
Manzo, Anthony V., 1329
Mar, Harvey, 3139
Marbut, Gary, 3494
Marcallo, F. A., 2268
Marcuse, Edgar K., 891
Mardell, Carol, 1412
Marier, Robert, 1938
Marinelli, Joseph J., 1487
Marini, Antonio, 1951
Marino, Joseph T., Jr., 1936
Mariona, Frederico G., 64
Markand, Omkar N., 900
Markenson, Alicejane Lippner, 1160
Markesbery, William, 2090
Markey, Sanford P., 303
Markland, Colin, 1181
Marks, Robin, 1856
Maroni, E., 1923
Maroteaux, P., 2933
Marquis, Jeanne, 545
Marsal, Karel, 1263
Marsh, George E., II, 3289
Marsh, Steven J., 2281
Marshall, Byrne R., 62
Marshall, Donald G., 1168
Marshall, Linda D., 82
Marshall, R. E., 980
Marshall, W. A., 1046
Marshall, W. C., 181, 1887
Martens, Paula R., 2147, 2219, 3015
Martin, F.I.R., 1078, 1162
Martin, Gerry L., 3450
Martin, George M., 877
Martin, Harold P., 2308, 3570
Martin, Lester W., 1167
Martin, M. A., 1154
Martin, Patricia, 2711
Martin, R. A., 914
Martin, V. Lopez, 3074
Martinek, H., 151
Martinez, A. Cruz, 246
Martinson, Melton C., 1579
Mortorell, Reynaldo, 1232, 2067, 2340
Marx, Jean L., 170
Marzilli, Robert, 3442
Masland, Richard, 1559
Mason, Christine, 1388
Mason, Jana M., 3144
Mason, M. K , 2194
Mason, P. A., 1090
Mason, Wilbert, 2930
Masse, Serge R., 1042
Massi-Bendetti, F., 1951, 2331
Mastali, Mehdi, 622
Mastrangelo, R., 982
Mastroiacovo, Pierpaolo, 2049
Masukawa, Teruo, 125
Mata, Leonardo J., 2335, 2339
Matalon, R., 2038
Matherne, Paula, 715
Mathew, Ninan T., 1180
Mathews, Catherine, 2972
Mathews, D. D., 2343
Matsuda, Ichiro, 2088
Matsunaga, E., 2815
Matsuno, Diane, 3093
Matsuura, Nobuo, 307
Mattevi, Margarete S., 3003
Matthews, Charles G., 2135
Matthews, W. B., 109
Mattis, Steven, 460
Matyas, George, J., 1613
Mauer, Alvin M., 254
Maughan, G. B., 406, 885
Maurer, William F., 3053
Maurus, R., 247
Mauser, August J., 447
Mawad, R., 17
Max, Edward E., 2973
Max, S. R., 296, 2990
May, Albert, 2648
Mayer, C. Lamar, 1553
Mayer, Marie Louise, 486
Mayer, William V., 1424
Mayhall, William F., 579
Mayr, W. R., 2244
Mays, Maxine, 2637
McAllister, Jack, 1656
McAllister, T. A., 2356
McAlonie, Mary Lynne, 1524
McAlpine, P. J., 3007
McBean, M. S., 2122, 2981
McBride, G., 3192
McCall, Robert B., 3099
McCance, R. A., 2937
McCandless, A. E., 927
McCarl, G. W., 947
McCarroll, A. M., 351
McCarthy, J., 2304
McCarthy, Robert E., 2606
McCauley, Charley, 3156
McClaren, Noel K., 2127
McClure, Garth, 2376
McCollum, J.P.K., 178
McConkey, Roy, 1751, 3580
McConnell, H. Dianne, 2203
McConnell, R. B., 1970
McCord, William K., 2218
McCormack, James E., Jr., 3376
McCormack, Michael K., 997
McCormick, Granville, 578
McCormick, Mark, 1699
McCormick, Ursula, 912
McCoy, Lois E., 1560
McCracken, J. S., 990
McCreadie, Samuel R., 175, 2872
McCullar, Frank W., 2897
McCulloch, J. C., 2073
McCulloch, John R., 1896
McCullough, David C., 2314
McCurley, Arlene Bell, 1737
McDermott, Alan, 3029
McDonald, G., 3557
McDonnell, Francis E., 1266
McDonnell, John, 3338
McDonnell, Mary Kathleen, 490
McDonough, Michael T., 240
McElfresh, Arthur E., 392
McFadden, Susan M., 3448
McGavern, Maureen, 3175, 3207
McGee, Barbara J., 1123, 2242
McGee, Zell A., 117
McGettigan, James, 1405
McGovern, Kevin, 1630
McHugh, J., 1142
McIntosh, A. S., 1198
McIntosh, Kenneth, 1926
McIntosh, Neil, 198, 2619
McKay, Dixie, 1746
McKendrick, Olive, 1187
McKenzie, Sheila, 2347
McKeown, E. F., 351
McKeran, R. O., 1105
McKinney, Alexander S., 1920
McKinney, Geraldine, 230
McKusick, V. A., 898, 2054, 2071, 2319
McLain, Richard E., 1716
McLaren, A. D., 1886
McLaren, Donald S., 2060
McLaren, N. K., 2990
McLain, Richard E., 3239
McLaurin, Robert L., 971
McLean, Arlene A., 916
McLeay, A., 2168
McLeod, John, 1559
McManus, T. J., 386
McMillan, B. C., 323
McMullen, Darlene A., 562
McNamara, Helen, 187
McNamara, James O., 1179
McQuaid, Paul E., 506
McWeeny, Patricia M., 1273
Mease, Alan D., 3044
Measel, C. Julius, 3454

Medina, Pablo, 954
Meeker, Mary, 2509
Meeks, Margery, 542
Mehta, P. D., 2892
Meier, C., 2129
Meier, John H., 58, 433, 1792, 1793, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2790
Meisels, Samuel J., 1298
Melcher, George W., Jr., 2827
Mellits, E. David, 969, 2108
Mellman, William J., 1127, 1849
Mellor, David H., 2988
Melnick, Michael, 2280
Melnyk, John, 2210
Melzer, C. W., 1132
Mendez-Bauer, C., 2366
Mendola, Chris, 648
Menduke, Hyman, 1293
Menkes, John H., 2911
Menolascino, Frank J., 1754, 3510
Menser, Margaret A., 2904
Menzel, H. J., 2987
Mercatoris, Michael, 2626
Mercer, Cecil D., 1363
Mercer, Jack P., 1806
Merenstein, Gerald B., 3044
Merrell, Preston R., 1159
Merritt, A. Donald 1840
Merz, Timothy, 2876
Mescher, E. Joseph, 1255
Mesibov, Gary B., 2780, 3543
Metcalf, Sally, 127
Metz, A. Stafford, 1434
Meurling, S., 1134
Meyer, John S., 1180
Meyer, Knarig Katchadurian, 258
Meyer, Timothy P., 1377
Meyerovitz, Sanford, 2843
Meyers, C. Edward, 3363
Michaels, Richard H., 1921
Michaelson, I. Arthur, 155
Micheli, Jean L., 899
Middleton, P. J., 1933
Migeon, Claude J., 249
Mikelsaar, A.-V. N., 2185
Mikhtar, E. D,, 2084
Mikkelsen, Margareta, 293, 1144, 1145, 2237
Miles, Barbara S., 303
Milhorat, Thomas H., 412
Milkovich, Lucille, 1855
Miller, Arnold L., 2081
Miller, Blaine H., 2887
Miller, Curtis R., 3227
Miller, Denis R., 1160
Miller, J. Daniel, 365, 2054
Miller, J. R., 1663, 2865
Miller, James R., 1773, 1835, 1836
Miller, Jon R., 1114
Miller, Larry, 324
Miller, R. W., 2747
Miller, Revel, 3474
Miller, Robert W., 3490
Miller, Stephen A., 157
Miller, Ted L., 1555
Miller-Jacobs, Sandra, 1477
Millichap, J. Gordon, 215
Millington, Marie, 1789
Millot, M., 2066
Mills, Pamela, 1747
Mills, Sherry Rae, 1591
Milne, J. S., 1131
Milner, R.D.G., 981, 991, 2361
Milosevic, Jovanka, 1171
Milstien, Sheldon, 284, 286, 2072
Milunsky, Aubrey, 43, 46, 47, 48, 50, 56, 92, 2787, 2788, 3488
Minami, R., 2962, 2966
Minke, Karl A., 1633
Minkowski, A., 1946
Minozzi, M., 2232
Minskoff, Esther H., 581
Miranda, Dairton, 1943
Mirkin, Phyllis, 3246
Mirkinson, Arthur E., 2279
Mirkinson, Natalie K., 2279
Misra, Chandra H., 2120
Mitchell, A. Cameron, 2344
Mitchell, David, 2706
Mitchell, R. G., 919
Mitchell, Ross G., 2002
Mitchell, W. S., 477
Mitler, Peter, 2437
Mitra, Nirmala, 373
Mnukhin, S. S., 3094
Mock, Wellington Lewis, 691
Mody, Bharati B., 14
Moe, Paul G., 303, 2295
Moen, Marilyn, 3537
Mofenson, Howard C., 948
Moghissi, Kamran S., 2070
Mogilner, Benjamin M., 1165
Mohanram, M., 1225
Moini, A. R., 372
Moller, Jorn, 1974
Mollica, Florindo, 1065
Money, John, 2166
Monif, Gilles R. G., 126, 924, 925
Monk, Antoinette M., 2307
Monkus, Ellen, 1884
Monnens, L., 281
Monoi, Hisako, 1990
Monroe, Katie M., 508
Montagu, J. D., 2004, 3083
Monteleone, James A., 2879
Monteleone, Patricia L., 2207
Montgomery, D.A.D., 351
Montgomery, R. Darragh, 256
Moore, B.P.L., 2189
Moore, Charleen M., 3023
Moore, Cyril L., 2910
Moore, Dorothea M., 1233
Moore, Melvin G., 3329
Moore, William, 3338
Moores, H. M., 1834
Mooring, Ivy, 1760
Moosa, A., 2029
Mooty, Joyce, 972
Morath, Philip, 3310
Morishima, Akira, 3131
Morrow, Grant, III, 2972
Moser, Hugo W., 2982
Motusky, A., 3020
Muhlethaler, J. P., 2922
Mulas, F., 3074
Mulcahy, Marie T., 2797
Mulhern, Thomas J., 3541
Murphy, Edmond A., 2830
Murray, Robert F., Jr., 2817
Myers, James K., 3318, 3371
Myers, T., 2825
Morasky, Robert L., 3102, 3103, 3104, 3105, 3259, 3260, 3261, 3262, 3263, 3264, 3265, 3266, 3267, 3400, 3401, 3402, 3403, 3404, 3405, 3583
Moreno-Fuenmayor, Humberto, 1127
Morens, David M., 1254
Morgan, Jean M., 1854
Morishima, Hisayo O., 894, 2381
Morris, Eleonor, 1657
Morris, John A., 1868
Morris, Norval, 759
Morris, Robert, 2656
Morrison, Thomas L., 1639
Morrow, Catherine C., 1665
Morrow, Grant, III, 283, 868
Morrow, Henry W., 2493
Morselli, P. L., 413
Mortimer, P. R., 1881
Morton, Newton E., 1138, 1139
Mosavy, S. H., 2132
Moskowitz, Michael A., 2364
Mosley, James L., 2407
Moss, Arthur J., 1216
Mosser, Robert S., 1993
Mutulsky, Arno G., 45
Mouriquand, C., 2153
Movik, Birger, 305
Mowat, Alex P., 922
Moylan, Fergus M. B., 957, 1239
Moynahan, E. J., 936
Mozziconacci, P., 2118
Mueller, E. Jane, 2501
Mueller, Max W., 737
Muir, Helen, 300
Muirhead, Donald M., Jr., 388
Mujtaba, Q., 143
Mulcahy, Marie T., 1140
Mulhern, Thomas J., 1700
Muller, Helga, 2222
Muller, Paul, 1624
Mun, A. M., 1915
Munan, L., 846
Mundel, G., 1155, 1156, 1182
Munro, D. S., 2084
Munro, Dowling D., 2191
Munson, F. Ann, 1037
Munzinger, J., 1923
Murch, A. R., 2196
Murdoch, R. M., 1886
Murphey, William F., 1099
Murphy, Jerome V., 2019
Murphy, Michael J., 1628
Murphy, Michael W., 1368
Murray, Charles, 1468
Murray, Timothy M., 285
Murthy, L. I., 306
Musallam, S. S., 374

Muth, John W., 735
Myers, Jerry L., 895
Myers, Martin G., 1876, 1900
Myers, Ronald E., 2373, 2374
Myklebust, Helmer R., 450, 455
Myles, Kathleen, 1162

Naderi, Shahrokh, 152
Nadler, Barbara T., 479
Nadler, Henry L., 37, 237, 280, 1214
Nadler, Spencer, 2287
Nahmias, Andre J., 973, 2895
Nair, K. G., 159
Najem, G. Reza, 1941
Najjar, Samir S., 2113
Nakagome, Yasuo, 2152
Nakamura, H., 1946
Nakao, Tooru, 326, 335, 931
Nance, Walter E., 1123, 2280
Naor, Ellen M., 2461
Narayanan, A. Sampath, 3057
Nasser, Sheffield, 3317
Nathan, Raymond, 2633, 2636
Nathanson, Neal, 1879, 1898
Nathenson, Gerald, 187, 1935
Nava, Sara, 2236
Naveh, Yehezkel, 128
Nawas, M. Mike, 3445
Nazzaro, Jean, 555, 3374
Neal, Harrison C., 3439
Neal, Larry, 1732
Neal, Mary V., 1220
Neal, William A., 2383
Nedzved, M. K., 2300
Need, Jillian A., 1928
Neese, Allen L., 1254
Neidengard, Lee, 2110
Neisworth, John T., 435, 3443, 3446
Neligan, G. A., 200
Nellhaus, Gerhard, 2295
Nelson, Annabelle, 3432
Nelson, Gary L., 1637
Nelson, James H., 224
Nelson, James S., 2005
Nelson, Kathleen, 1243
Nelson, Kenrad, 2894
Nelson, Louis R., 1302
Nelson, M. M., 865, 2808
Nelson, Ronald J., 2382
Nelson, Rosemary, 3457
Nelson, W. E., 1765
Neman, Ronald S., 1658, 2758
Ner, Sania, 2717
Ness, Richard Andrew, 428
Neter, Erwin, 1905
Netsky, Martin G., 2018
Nettelbeck, T., 2401
Neu, Richard L., 2245, 2651
Neuhauser, Gerhard, 2302
Neuringer, Charles, 228
Neville, B.G.R., 922
Neville, Donald D., 3140
Nevin, N. C., 384
Newberger, Eli H., 1001
Newberne, Paul M., 2051
Newcomer, Barbara L., 1639
Newcomer, Phyllis, 580, 1405
Newman, Cyril, 1800
Newman, Isadore, 720
Newman, Nathan, 80
Newman, Steven, 499
Newson, Elizabeth, 3578
Newton, Jerry, 2433
Newton, Margaret A., 468
Ng, Won, 2963
Nicholas, J. H., 2254
Nicholls, Robert, 1562
Nicholls, S., 1918
Nicholls, Sheila, 919
Nicholson, Charles L., 516
Nicholson, John F., 1968
Nicholson, Robert, 1112
Nicol, Edna, 1565
Nicoll, Richard C., 3209
Nielsen, Arne, 2237
Nielsen, Henrik, 1831
Nielsen, Johannes, 1782, 2149, 2187, 3026
Nielsen, Surl L., 2260
Niemann, Wendell H., 894
Niermann, Hans, 2188
Niermeijer, M. F., 2976
Niesen, Mathilda, 1144
Nigam, Sarvesh K., 1226
Nightingale, Elena O., 2314
Nigro, Giovanna, 3222
Nihira, Kazuo, 3155
Niklowitz, Werner J., 1907, 2875
Nikolic, Milisav Z., 2293
Nin, Erga, 1165
Nirje, Bengt, 3526
Niss, Rainer, 3002
Nissim, Jack E., 943
Niswander, Kenneth R., 1366
Niswander, Paul S., 2445
Nitowsky, Harold M., 52
Nober, E. Harris, 1289, 1290
Nober, Linda W., 1290
Noel, B., 333
Nogami, Hiroshi, 2100
Noller, B. N., 1888
Noon, Clare, 81
Nora, James J., 1124, 2190
Nordin, James, 1876
Nordland, Eva, 3026
Nordoff, 707
Norgaard-Pedersen, B., 864, 1205, 1212
Norley, Dolores, 758, 1725
Norman, A. P., 1971
Norman, David, 1028
Norman, Henry Arthur, 833
Norman, Margaret G., 236
Norris, Forbes H., Jr., 926
Norton, Patricia M., 1108, 2112
Noterman, J., 1795
Notkins, Abner Louis, 154
Nueva-Espana, Dianne S., 2786
Nugent, James H., 3236
Nute, P. E., 1959
Nuwayhid, B., 151
Nwosu, Uchenna C., 2390
Nyhan, William L., 275, 302, 1894, 3020

Oakley, Godfrey P., 1825, 2757
Obe, Gunter, 1950
Oberklaid, Frank, 2266
O'Brien, Carolyn, 1747
O'Brien, Ellen, 700
O'Brien, H., 1119
O'Brien, J., 2329
O'Brien, John S., 1081, 1082, 2081, 2109
O'Brien, P., 2199
O'Brien, Richard T., 188
O'Callaghan, Sarah E., 1178
Ochs, Hans D., 329
Ockerman, P. A., 2076
O'Connell, Christine Y., 808
O'Connor, Dennis M., 1904
O'Connor, Gail, 1715
O'Connor, P. D., 2831
Odievre, M., 2317
Odle, Sara J., 3572
Odom, Mildred, 577
O'Donnell, Brigid, 3551
O'Donnell, James J., 3058
Offord, David R., 94
O'Grady, Richard S., 3176
Ogdon, Donald P., 521
Oh, William, 251, 411, 1937, 2045, 2382
Oka, Yogo, 2088
Okajima, M., 1784
Okayasu, Takako, 307
Okuno, Akimasa, 307
O'Lane, John M., 61
Oldstone, Michael B. A., 926
O'Leary, James L., 1110
Olegard, Ragnar, 2328
Olek, K., 2962, 2966
Oleske, James M., 106, 1892
Oliver, B. E., 2714
Oliver, J. E., 1007, 1011
Olness, Karen, 172
Olney, John W., 2120
Olow, I., 2024, 2025
Olsen, Kathlyn, 3268
Olson, E. B., Jr., 71, 1802, 1829
Olson, Robert E., 248, 255
Olsson, Y., 1992
O'Neil, Sally M., 3415
O'Neill, Allison, 2354
O'Neill, C. W., 2637
Ong, Poen S., 3047
Onitiri, A. C., 2034
Opitz, John M., 2223, 2268, 2274, 2299, 2301, 2302, 3051
Opocensky, Virginia, 642
Oppe, T. E., 2602
Oppelt, Kurt, 1729
O'Rahilly, Ronan, 1174
Ordona, Truce T., 218
Ordway, Nelson K., 1941
O'Reilly, D. Elliott, 243
O'Reilly, Sean, 1083

Orford, J., 2808
Ornitz, Edward M., 1380
Ornoy, A., 2997
Ortega, Jorge A., 1957
Orye, E., 1175, 2230, 2999
Osborne, Allan G., Jr., 1681
Osborne, R. A., 1113
Osborne, Richard H., 1161, 2180
Oskarsson, M., 289
Oski, F. A., 112, 1956
Osofsky, Howard J., 2062
Osofsky, Joy D., 3208
Ostanski, John, 571
Oster, J., 2237, 2238
Osztovics, Magda, 2201
Ott, Erwin O., 1180
Otterson, Warren, 396
Overbeck, Daniel B., 1611
Overturf, Gary D., 39
Owen, Garry D., 190
Owens, D., 1948
Owens, Helmi C., 781
Oxford, Jennifer M., 2193
Oxman, Michael N., 1900
Ozand, Pinar T., 2127

Paa, David, 1081, 1082
Paciuc, Sophie, 340
Pahuja, Jaganath, 2101
Pai, K. Gopalkrishna, 330, 332
Paine, Ivan, 1619
Painter, Michael J., 1872
Pallister, Philip D., 2274, 3051
Palmer, J., 1989
Palmer, Sushma, 222
Palo, J., 341
Paluck, Robert J., 3460
Pampiglione, G., 260, 1039
Pan, Sylvia F., 330, 332
Panagopoulos, George, 199
Panitch, Martha Logan, 2630
Panizales, Elma G., 2225
Panszi, Jose G., 900
Pao, Florence, 708
Papageorgiou, Photini S., 2908
Pape, Nancy, 1689, 1690, 1691, 1692
Pardo-Mindan, F. J., 1163
Parent, M. A., 2349
Parfit, Jessie, 1752
Paris, Scott G., 2400
Parisi, Frederick, 62
Park, Bert E., 2018
Park, E., 2330
Park, Leslie D., 2647
Parke, Ross D., 3082
Parker, Bruce R., 2292
Parker, Clarence L., 1938
Parker, J. C., 1023
Parker, James L., 3214
Parker, L., 708
Parker, Linda Carol Godsey, 774
Parker, R., 2727
Parker, Scott L., 1513
Parker, Therese B., 1355
Parkin, J. M., 2345
Parks, Jim T., 716, 3452
Parks, Roxie, 3343
Parmelee, Arthur H., 2791, 3327
Parmenter, Trevor R., 3383
Parnes, Robert, 1471
Parr, Carol A., 3429
Parrington, Jennifer, 2193, 3029
Parsley, Marilyn, 1423
Partin, Jacqueline S., 971
Partin, John C., 971
Pasamanick, Benjamin, 390, 493, 2058
Pascal, T. A., 297
Pascual-Castroviejo, I., 3074
Pashayan, Hermine M., 2290, 3052
Passarge, E., 2199, 3002
Passman, Richard H., 1634
Passwell, J. H., 1183
Paster, Stuart B., 368
Patau, Klaus, 2223
Paterson, Mary, 1724
Paton, John B., 2368
Patrick, A. D., 1785, 2078
Patrick, D. L., 268
Patterson, Joseph H., 1101
Pattullo, Ann W., 3191
Paul, Betty, 2211
Paul, James L., 3303, 3304, 3305, 3306, 3307, 3308, 3309
Paul, Richard H., 1799, 1848
Paunier, Luc, 2932
Pavlincova, E., 3399
Pavone, Lorenzo, 1065
Payne, Dan, 2763
Payne, James E., 3544
Payne, James S., 841
Payne, R. B., 983
Pearson, Howard A., 188
Pearson, J. F., 1787, 2258
Pearson, John, 366
Pearson, Paul H., 3590
Peckham, George J., 1258
Pedder, R. A., 2023
Pedersen, Frank A., 3166
Pedlow, Peter, 1976
Pegelow, Charles H., 1040
Pelosi, Marco, 1004, 1892
Peltonen, Raili, 2896
Pena, Sergio D. J., 3007, 3045
Penchansky, Lila, 2207
Penchaszadeh, Victor B., 2159, 2195
Peniston, Eugene, 711, 1474
Penn, Rhesa L., 1099
Penrod, David, 751
Penrose, L. S., 853
Pentchev, Peter G., 308
Peoples, Arthur, 3457
Pereira, Celina, 1245
Pereira, L., 2268
Pereira, W. C., 2083
Perel, James M., 1997
Perez, A., 1154
Perez-Robles, S., 1946
Perkins, Rollie, 1876
Perlman, M., 1228
Perlman, Suzanne M., 454
Perlmutter, Alan D., 1181
Pernoll, M. L., 84, 1252
Perraudin, Nicole, 2198
Perrin, Jane C. S., 3053
Perry, Dennis, 3188
Perry, Thomas L., 2971
Persinger, Garland, 2210
Persson, Bengt, 2065
Pescia, G., 2163
Peter, Georges, 975
Peters, J. E., 459
Peterson, Donald I., 1084
Peterson, Lesli, 1621, 3322
Peterson, Robert, 2285
Peterson, Rolf A., 227
Peto, Richard, 29, 861
Petre-Quadens, O., 325
Petricciani, J. C., 1973
Petrie, Roy H., 878
Pettett, Gary, 3044
Pettifor, J. M., 1945
Pfeiffer, R. A., 2028
Phansalkar, Sadashiv V., 1108, 2112
Phibbs, R. H., 850
Philage, Mary Lou, 1646
Philip, Alistair G. S., 1209
Philip, J., 864
Philip, John, 1831
Philippart, M., 2967, 2985
Philippe, J. V., 871, 2311
Phillimore, Lynda, 3411
Phillips, H. V., 1821
Phillips, Phyllis E., 2098
Phipps, Patricia M., 3133
Pica, Teresa, 1460
Pickering, Geoffrey, 1391
Pickthall, V. J., 2192
Piepsz, A., 1795
Piggott, Leonard R., 3228
Pihl, Robert O., 452
Piiroinen, Olli, 16
Pildes, Rosita S., 142, 279, 1256
Pilz, H., 265
Pimstone, B. L., 1053, 2046
Pinsky, Leonard, 53, 1204
Pious, Donald, 2318
Pippenger, Charles E., 2902
Pisano, J. J., 304
Pison, H., 2153
Pisteljic, Dusan T., 2293
Pitkin, Roy M., 2069
Pitkow, Howard S., 3032
Pittman, Bettie R., 469, 1544
Pivato, Emma, 2940, 2941, 2942
Placko, Robert P., 252
Platt, Mark M., 1285
Platzker, Arnold C. G., 1255
Pless, Ivan B., 2658
Pletila, Asta, 1504
Plotkin, Stanley A., 960, 965, 2905
Plum, Fred, 1244
Podeanu-Czehofsky, Ilinca, 238
Podos, S. M., 2269
Pojerova, Anna, 2914
Pole, Graham J. R., 2356
Polednak, A. P., 415
Polesky, Herbert, 997

Poley, J. R., 374
Polidori, G., 982, 2049
Polin, Richard A., 193
Polk, Lewis D., 160, 162
Pollack, Michael A., 1909
Polloway, Edward A., 841, 1589
Pomerantz, David J., 617
Poncet, Inna B., 291, 292
Poon, C.C.S., 1136
Poremba, Chester D., 456
Porter, F. Nelson, 1186
Porter, G., 398
Porter, Ian H., 2211
Porter, William, 2210
Porteus, James H., 652
Poskitt, E.M.E., 259
Post, Carole K., 605
Post, Robert C., 195
Potter, A. M., 1142
Powars, Darleen, 1040
Powell, Geraldine K., 1260
Powell, Henry, 1081
Powell, R. G., 1215
Powers, James M., 1031
Pozefsky, Thomas, 1052
Poznanski, Andrew, 2217
Prader, Andrea, 2091
Pratt, O. E., 1098
Prehm, Herbert J., 1582
Prensky, Arthur L., 2005
Prescott, Gerald H., 84
Presly, Allan S., 523
Preston, David, 2085
Preston, E. Noel, 1765
Preus, Marilyn, 2205
Price, J., 2767
Price, Monroe E., 748
Price, Richard W., 154
Price, Stuart, 1181
Price, William A., 1920
Priest, J. H., 2164
Prillaman, Douglas, 529
Primrose, D. A., 263, 311
Prindull, G., 2915
Prinz, Robert J., 2464, 3135
Prior, Margot R., 2480, 3188
Prochaska, James, 3442
Procopis, P., 2168
Proger, Barton B., 1397
Prolo, Donald, 1174
Prosser, R., 2258
Prout, Thaddeus E., 1052
Pruzansky, Samuel, 2290, 2724
Pryse-Davies, J., 35, 2298
Puck, Mary, 1128, 2145
Pueschel, Siegfried M., 1962, 2126
Pugh, E., 1039
Puig, Jose R., 1861
Pullen, H.J.M., 182
Pulliam, Robert, 449
Purohit, Dilip M., 1257, 2372
Purpura, Dominick P., 3088
Purtilo, David T., 1049, 2903
Putnam, Charles W., 290
Pyeritz, Reed, 324

Qazi, Qutub H., 1207
Quan, Linda, 2316
Quevedo, Carlos, 1231
Quick, Alton D., 3511
Quigley, Stephen, 1603
Quilligan, E. J., 1799, 1814, 2842
Quinn, Catherine, 2314
Quinn, Patricia O., 222, 1998
Quintana, Alicia, 340

Raab, E., 2038
Raafat, Mostafa, 1819
Rabinovitch, Alexander, 2932
Rabson, A. R., 1050, 2061
Radde, I. C., 2329, 2330
Radeka, Nicholas, 573
Radtke, Frederick Albert, 848
Raffeld, Paul, 1399
Raffensperger, John G., 2264
Ragain, Ronnie D., 3156, 3461
Rago, William V., 3177, 3540
Ragsdale, David V., 637
Rahbar, Fariborz, 164
Rahiala, Eeva-Liisa, 2394
Raichle, Marcus E., 2005
Raiford, William H., 1833
Raiha, Niels, 2394
Raimondi, Anthony J., 1994
Raine, Cedric S., 1031, 2870
Raine, D. N., 2079
Raine, P.A.M., 989
Rainear, Arthur D., 533, 1500
Rainey, Theodore H., 3444
Raiti, Salvatore, 2093
Rama, V., 2978
Ramberg, Donald A., 2957
Ramey, Craig T., 1747, 3127, 3328
Ramig, Christopher J., 475
Ramirez, Jorge, 2283
Ramos-Alvarez, Manuel, 2887
Randall, Dolores H., 224
Randle, A. T., 321
Rangel, Ricardo A., 1895
Rannon, Lotte, 966
Ransom, J. Lawrence, 2110
Ranta, T., 1079
Rao, J. Gopinath, 2978
Rapin, Isabelle, 460
Rapoport, Judith L., 222, 1998
Rapp, Donald Wayne, 424
Rapp, Fred, 156
Rappaport, Elizabeth B., 2934
Raskin, Larry M., 1291, 1376
Ratcliffe, J. G., 386, 981
Ratcliffe, S. G., 354
Rath, Charles E., 77
Ratky, S. M., 201
Rattazzi, M. C., 1106
Rauh, Joseph L., 418, 1934
Ravenel, Louise R., 1664
Rawls, William E., 2869
Ray, C. George 941, 1267
Ray, Joel S., 3509
Ray, M., 1119, 3007, 3027
Ray, S. L., 2164
Raynaud, Elie-Jean, 2007
Read, Walter W. C., 2060
Reagan, James W., 149
Rebelsky, Freda, 3169
Redding, Ralph A., 1245
Reddy, Churku-Mohan, 2124
Reeck, Charles, 2925
Reed, C. D., 177
Reed, J. C., 464
Reed, James, 7
Reed, Joseph O., 3046
Reed, Pamela, 2214
Reed, Swayne M., 2388
Reed, T. Edward, 1129, 1207
Reem, Gabrielle H., 301
Rees, Alan, 2001
Rees, L. H., 1090
Regoly-Merei, Andrea, 1149
Reibetanz, Karen Rhoda, 686
Reichhart, Gregory J., 1318
Reid, Andrew H., 322, 523
Reid, Dorothy Kim, 1337
Reid, John B., 1736
Reid, Mark, 2376
Reider, Sandy K., 541
Reif-Lehrer, Liane, 116
Reilly, B. J., 2330
Reilly, Philip, 42, 883, 2820, 3483
Reimer, Donna C., 2486
Reinila, M., 1079
Reinis, S., 2921
Reinke, Mary Margaret, 732
Reis, Ralph A., 404
Reiser, S. J., 3585
Reither, M., 2998
Remington, Jack S., 1869
Rennert, Owen M., 923, 1137
Repice, Joseph P., 1905
Repp, Alan C., 1638, 2617, 3465, 3552
Reschly, Daniel J., 2764
Resnik, Robert, 1794
Retherford, Robert Alansing, 821
Retief, A. E., 2167
Rett, A., 2244
Reuben, R., 2304
Reutener, Donald B., 2409
Reuthebuck, George L., 1689, 1690, 1691, 1692
Reynard, Carol L., 1024
Reynolds, A. R., 2769
Reynolds, David W., 2906
Reynolds, E.O.R., 1249, 2619
Reynolds, H. T., 3031
Reynolds, John W., 1259, 1262
Reynolds, W. Ann, 2069
Reynolds, William A., 2288
Rheingold, Harriet L., 3199
Rhodes, Philip G., 1269
Rhodes, Wallace W., Jr., 1920
Riccardi, Vincent M., 41, 3008, 3009
Rice, Jerry M., 2884, 3490
Richards, B., 2361, 2991
Richards, Barry, 505
Richards, C., 2258
Richards, Charlotte Jean, 633
Richards, Mary Joann, 2502
Richards, Robert T., 2381

Richards, Ronni, 2486
Richardson, Edward P., Jr., 1031
Richardson, Margaret, 2557
Richardson, Ralph, 1596
Richardson, Stephen A., 835, 1771
Richardson, Toni, 1495
Richer, John, 505
Richey, David Dean, 1333
Richman, Joel S., 3467, 3473
Richmond, Bert O., 203, 2487
Ricks, Derek M., 3101, 3129
Ricour, C., 2066
Ridlon, Herrick C., 1181
Rie, Herbert E., 1982
Rigatto, Henrique, 1241, 1242
Riggs, Cheryl, 3338
Riggs, Francis D., 2282
Rigo, Thomas, 1840
Riley, Harris D., Jr., 374, 1941
Rimland, Bernard, 503
Rimoin, David L., 2146
Rinckey, David Jason, 3243
Rippon, P. E., 2047
Riscalla, Louise Mead, 1012
Risdon, R. A., 181, 936, 1887
Risley, Todd R., 3325
Ritvo, Edward, 1380, 1381, 2406, 2469, 2485, 3093, 3474
Rivera, Robert, 3073
Rivinus, T. M., 860
Robards, M. F., 2265
Robbins, 707
Roberton, N.R.C., 1066, 1247, 1251, 1272, 1955
Roberts, Bonnie, 3341, 3354
Roberts, C. J., 1215, 2267
Roberts, D. F., 3072
Roberts, Freda M., 1970
Roberts, Kenneth B., 1032
Roberts, P. F., 932
Roberts, Paula, 822, 2802
Robertson, John A., 2724, 2729
Robertson, Kathleen P., 2212
Robertson, M. F., 1023
Robertson, M. M., 3031
Robinow, Meinhard, 2284
Robinson, Angela E., 1947
Robinson, Arthur, 1124, 1128, 1815, 2145
Robinson, B. H., 2970
Robinson, Jean, 1815
Robinson, Ricki E., 2287
Rocker, I., 2258
Roden, Vernon J., 1904
Rodewald-Rudescu, A., 2143
Rodriguez, Alejandro, 500
Rodriguez, William, 150, 1861, 1938
Rodriguez-Costa, T., 3074
Roe, Thomas F., 2963
Roeher, G., Allan, 2835, 3520, 3532
Roelofs, Robert I., 2026
Roesel, R. August, 2119
Rogers, George W., Jr., 203, 2487
Rogers, J. A., 2111
Rogers, Mark C., 1239
Rogers, Robert A., 517
Rogers, S. C., 1187
Rogers, Sinclair, 3107
Rogers, T.G.H., 2047
Rogers, W. B., 517
Roizen, Nancy J., 1945
Rojcewicz, Stephen, 2792
Rolfe, U. T., 977
Rolle, H., 2825
Rolle-Daya, Heike, 2126
Rollings, John Paul, 3194, 3195, 3196, 3431
Roloff, Dietrich W., 1246
Romagnoli, C., 982
Romanczyk, Raymond G., 3406
Rombach, David W., 1701
Ronchetti, Roberto, 3078
Rome, R. M., 408
Romeo, Dominic, 2501
Romer, Frode K., 959
Romine, J. S., 459
Romizi, S., 2331
Ron, Moshe, 73
Rondal, Jean A., 2414
Rooney, P. J., 1865
Roos, Philip, 3447
Roosa, Roberta A., 1898
Rooth, G., 2366
Ropers, H. H., 1038, 2082
Rorke, Lucy Balian, 905, 908
Ros, Y., 2931
Rose, Marion H., 3086
Rose, Mary Ann, 579
Rosedale, Marion Preston, 805
Rosen, E. U., 1050, 2061
Rosen, Marvin, 3153
Rosen, Mortimer G., 1847
Rosenbaum, Christine, 2637
Rosenberg, Howard, 668
Rosenberg, Leon E., 2077
Rosenblatt, Katherine P., 583
Rosenblatt, M., 1155, 1156
Rosenbloom, A. L., 1023
Rosenbloom, L., 2265
Rosengart, Ronald M., 2382
Rosenkranz, Herbert S., 2909, 2913
Rosenmann, Ada, 1133
Rosenthal, Joseph H., 1112
Rosenthal, Sol Ray, 1735
Rosen-Webb, Sarah, 465
Rosi, G., 2186
Rosinsky, Robert W., 669
Roskos, Frank C., 2601
Rosman, N. Paul, 1396, 1983
Ross, April, 3443
Ross, Constance A. C., 136
Ross, Jeanne, 487, 488
Ross, Leonard E., 1315, 2443, 2839, 3113, 3114, 3115, 3116
Ross, Michael B., 1462
Ross, Roslyn, 1019
Ross, Sidney, 1861
Ross, Sterling, Jr., 769
Ross, Susan M., 1315, 3113, 3114, 3115, 3116
Ross, Sydney, 150
Rosso, P., 1044
Rossouw, J. E., 122
Rothman, Stanley, 2105
Rotte, Thomas, 1939
Rottersman, Judy, 1549
Rouke, James E., 82
Roulhac, Vicki Scriven, 1481
Rourke, B. P., 2488
Routh, Donald K., 3429
Roux, Charles, 2033
Rowan, Beverly A., 760
Rowbury, Trudilee, 3432
Rowden, Geoffrey, 2123
Rowe, V. D., 304
Rowitz, Louis, 2623
Rowley, Barbara O'Neill, 2964
Ruben, Frederick L., 1921
Rubenstein, Carin, 2409
Rubin, Harvey M., 330, 332
Rubin, Joseph Israel, 1528
Rubin, Rosalyn A., 1284, 2482
Rubinstein, Jack H., 418
Rubio, Guillermo, 2283
Rubissow, Joyce, 3518
Rudiger, H. W., 2199, 2958
Rudman, Daniel, 389, 1101
Rudolph, Arnold J., 40
Rudolph, Clarence Lee, 831
Rudolph, James M., 2483
Ruiz, M. T. Virto, 1163
Rumble, Warren F., 1083
Rundle, A. T., 1135, 3041
Ruoss, C. F., 31
Rush, David, 2949
Russell, George, 2988
Russell, Joan, 1078
Russell, Peter, 1230
Russo, R., 2121, 2717
Russo, Tony, 1734
Ruston, Jack, 2588
Rutenberg, Harold L., 240
Ruthven, C.R.J., 1067
Rutten, F. J., 2156
Rutter, Allison, 2194
Rutter, Michael, 497, 499, 1999, 2468
Ruttiman, Marie-Theres, 2808
Ruvalcaba, R.H.A., 1109, 2142
Ryan, George M., Jr., 1812
Ryan, Lynne, 1162
Rybak, James J., 2292

Sabatino, David A., 1580
Sabbagha, Ruby E., 1229
Sabel, K. G., 2612
Sabin, Albert B., 1891
Sacatsh, Jean, 470
Sackett, Gene, 2776, 3082
Sacks, David A., 1830
Sadovsky, E., 2997
Safer, Daniel J., 1978, 1991, 1995
Safer, Nancy Dietz, 1331
Sagel, Stuart S., 2027
Saigal, Saroj, 2338, 2354
Sailor, Wayne, 1570
St. Geme, Joseph, W., Jr., 1931, 1937, 2045
Sakuragawa, Norio, 2009

Salamanca-Gonez, Fabio, 2236
Salamonsen, Lois, 2809
Salcman, Michael, 2902
Saldana-Garcia, P., 321, 2160
Salem, George M., 2113
Salinas, Carlos F., 3056
Salter, Leo, 721
Salvia, John, 1462
Salzano, F. M., 3003
Sama, Jahir C., 1004
Samaras, Mary Stenning, 1636
Samuel, K., 2999
Samuels, S. Jay, 3138
Samuelson, Gosta, 2064
Sander, C., 310
Sanderlin, Karen C., 1932
Sanders, B. M., 1192
Sanders, Christopher, 3436
Sanders, Leon, 1563
Sanders, R. R., 1805
Sandler, M., 1067
Sandling, Ingvar, 3365
Sandow, Sarah, 3466
Sands, Milton J., 240
Sandstead, H. H., 2041, 2042, 2954
Sandy, E., 1820
Sanford, Barbara H., 2813
Sanger, Roger G., 2215
Sansaricq, Claude, 1108, 2112
Santolaya, J. M., 3074
Santoli, Daniela, 905
Santos-Ramos, Rigoberto, 18
Saperston, Bruce, 3175
Saratsiotis, John B., 1993
Sardharwalla, I. B., 3469
Sareen, Chandra, 1109
Saroj, S. K., 473
Sasanuma, Sumiko, 1990
Sato, N. E., 1809
Sattler, Martha, 299
Satz, Jay 960
Saudubray, J. M., 2118
Saugstad, Letten Fegersten, 1068, 1069
Saugstad, O. D., 2369, 2370
Saunders, C. A., 3422, 3427
Saunders, John, 1064
Sausen, Judy, 2855
Savage, M. O., 1247
Savino, Peter J., 359
Savolainen, H., 341
Sawyer, Beverly P., 1554
Say, Burham, 361, 3055
Scarnati, Richard A., 3345
Scarr-Salapatek, Sandra, 997, 3097
Scatliff, J. H., 1969
Schacht, Robert G., 1108
Schaefer, Earl S., 2840
Schafer, John A., 1028
Schain, Richard J., 1024
Schaprio, Judith S., 3497, 3498
Scharrer, S., 2143
Schaumburg, Herbert H., 1031
Scheerenberger, R. C., 3538, 3553
Scheffelin, Margaret, 1553
Schelly, Joan DuBose, 634
Scheres, J.M.J.C., 2156
Scherzer, Alfred L., 363
Schiff, Gilbert M., 1877, 1934, 1939
Schifrin, Barry S., 15, 872, 1848
Schild, G. C., 938
Schild, J., 3399
Schimke, R. Neil., 3019
Schindera, Frank, 1038
Schinzel, Albert, 3028
Schipper, William V., 1567, 1568, 3374
Schlageter, Mary, 952
Schlagheck, James Francis, 1332
Schlesinger, P., 1094
Schlottmann, Robert S., 2707
Schmickel, Roy, 2217
Schmid, W., 2922, 3028
Schmidt, Rose Rita, 1904
Schmitt, Barton D., 1986, 1994
Schnackenberg, Robert C., 226
Schneider, Arthur B., 1076
Schneider, Henry, 223
Schneider, J. M., 71, 1829
Schneider, Pierre, 2932
Schneiderman, Gary, 3093
Schoenbaum, Stephen C., 1919
Schoenberg, Harry, 1181
Schoenborn, W., 2987
Schofield, Leon J., Jr., 2538
Schonebaum, Reuben M., 501
Schoonover, Robert J., 2459, 2497
Schopler, Eric, 3433
Schrag, Peter, 38, 207, 209, 210, 211, 212, 213, 214, 593, 704
Schramm, Lee C., 1913
Schreiber, Meyer, 3536
Schreiner, A., 360
Schreyer, Ivan, 405
Schroder, Jim, 1960
Schroeder, Kathy L., 579
Schroeder, Stephen R., 3385, 3429, 3440
Schroeder, W. A., 1957
Schruefer, J. J., 2867
Schubert, William K., 971
Schulps, Allan, 1675
Schulsinger, Fini, 2920
Schultz, F. Michael, 401
Schulz, Hans, 2188
Schulz, Paul, 1081
Schuster, Clara Shaw, 3568
Schut, Luis, 3075
Schwanitz, G., 2998
Schwartz, Arthur H., 1368
Schwartz, Barbara, 3326
Schwartz, Daniel, 2982
Schwartz, Jerome, 111, 1880
Schwartz, Robert P., 2119
Schwarz, Anton J., 1877, 2887
Schwinger, Eberhard, 1144
Schwitzgebel, R. Kirkland, 342
Scott, B. H., 1204
Scott, C. Ronald, 298
Scott, Charles I., Jr., 3047
Scott, H., 936
Scott, J. M., 409
Scott, James R., 196
Scott, John W., 1122
Scott, Kenneth E., 137, 2324
Scott, Loyce Cannon, 2856
Scott, P. H., 1223
Scott, Patsy Lou, 620
Scovell, Melvin E., 867
Scranton, Thomas R., 1352
Scribanu, N., 2314, 2724
Scrimgeour, J. B., 29, 865, 2252
Scrutton, David, 2927
Scrutton, Michael C., 272
Scurletis, Theodore D., 3507
Seabright, Marina, 2161
Seaich, Laird, 1084
Sears, Joseph W., 3010
Sedaghatian, Mohamed R., 1235
Sedmak, Gerald V., 175, 2872
Seely, J. Rodman, 1116
Seely, Pamela B., 3117, 3118, 3119
Seem, E., 189
Segal, Robert, 1283, 3496
Segers, A., 1795
Segni, Giuseppe, 2049
Seidel, U. P., 1999
Seiffer, Samuel, 1705, 1706, 1707, 1708, 1709, 1710, 1711, 1712, 1713, 1743
Seil, Fredrick J., 153
Seiler, Jerome S., 195
Sekhon, Gurbax S., 2216
Sele, B., 2153
Sell, Sarah H., 970
Seller, Mary J., 35, 863, 1177, 1211, 1823, 2298
Sells, Clifford, 2139, 3459
Semel, Eleanor M., 463, 466, 1357, 1369
Semmel, Dorothy S., 1532, 1533, 1534, 1535, 1536, 1540, 1541
Semmel, Melvyn I., 1532, 1533, 1534, 1535, 1536, 1540, 1541
Sen, Arun K., 839, 2745, 2754, 2755, 2756
Senf, Gerald M., 1361, 1554, 1551, 1557
Sengstock, Wayne L., 1576
Sergeyav, A. S., 3000
Serwer, Blanche L., 1406
Setoguchi, Yoshio, 2278
Sever, John L., 107, 171, 2336, 2882
Shaban, Sedat, 118
Shabtay, F., 1219
Shaeffer, Ruth M., 3462
Shaffer, Thomas, 751
Shahidi, Nasrollah T., 2301
Shannon, Daniel C., 957, 1237, 1239, 1254
Shapira, Emmanuel, 237, 280
Shapira, Yehuda, 2924
Shapiro, Alexander, 697
Shapiro, Burton L., 2240
Shapiro, Donald L., 1238, 1254
Shapiro, L. M., 1821
Shapiro, Lawrence R., 3054
Shapiro, Samuel, 1855
Shapiro, Steven D., 3056
Sharf, B., 419
Sharif, H., 163

Sharma, S. D., 1809
Sharp, Austin, 3514
Sharp, Harvey L., 276, 1100
Sharp, John C. M., 130
Shaul, William L., 1944
Shaw, D. A., 914
Shaw, Margery W., 2724, 3484
Shaw, Sheng-Mei, 1906
Shaw, Stan F., 1501
Shea, Linda, 1939
Sheahan, Daniel G., 2313
Shearer, Ann, 3521, 3558, 3563, 3564, 3565, 3599
Shearer, David E., 3312
Shearer, Marsha S., 3312
Sheepers, J., 2329, 2330
Sheikh, S. A., 2073
Shelden, C. Hunter, 375
Shenker, Lewis, 195
Shenkin, Henry A., 358
Shennan, Victoria, 2671
Shenton, B. K., 105
Shepard, Frank M., 2378
Sheperd, George, 1572
Sheppard, P. M., 1187, 1970
Sher, Phyllis K., 2305, 2346
Sheridan, Mary D., 3233
Sheridan, Susan Jane Warner, 690
Sherlock, Sheila, 1041
Sherrill, Claudine, 2559
Sherwood, Louis M., 1076
Sherwood, W. G., 2970
Shibata, K., 320
Shih, Vivian E., 57, 2106
Shilltoe, E. J., 168
Shimizu, Natsue, 1893
Shine, B., 2036
Shinefield, Henry R., 1889
Shinn, Roger L., 2812
Shinno, Nancy W., 2213
Shinozaki, Tatsuhiko, 970
Shiono, Hiroshi, 24, 326, 335
Shkolnik, Arnold A., 76
Shockley, Patricia Hawn, 1338
Schoenfeld, Yehuda, 2297
Shokeir, M.H.K., 1119, 3045
Sholtz, Robert, 2748
Shoob, Deanna, 3495
Shore, Miles F., 2816
Shore, Ronald, 367
Shott, Roger J., 1897, 2245
Shriver, Eunice Kennedy, 3524
Shufeit, Lawrence J., 814
Shulene, John A., 563
Shulman, R., 250
Shuman, Robert M., 901, 902, 946
Shure, Myrna B., 1341
Shurtleff, David B., 3040
Shushan, Robert Daniel, 430
Shuster, Sam, 2107
Shuttee, Robert, 2127
Sibanda, J., 880
Sibbach, Lois, 712
Siders, Cathie, 3135
Sidkind, Victor, 1855
Sidman, Murray, 1317
Sie, Maureen A., 2494
Sieffer, Samuel, 1714
Siegesmund, Kenneth A., 175, 2872
Sigelman, Carol K., 3554
Siggers, D. C., 2303, 2319
Sigler, Gary R., 3375
Sigman, Marian, 2791, 3327
Siimes, M. A., 2912
Silk, Kenneth, 2280
Sillanpaa, Matti, 316, 2890
Sillence, D. O., 1075
Silver, George A., 867
Silver, Larry B., 444
Silver, Rawley A., 1300
Silverman, David G., 1244
Silverman, Wayne, 2448
Silverstein, Allen, 1780
Silverstein, Arthur B., 1716, 3239
Simches, Raphael, 1661
Simell, Olli, 2977
Simeon, Jovan, 3229
Simeonsson, Rune J., 1649
Simila, S., 987, 1079, 1087
Simmons, James Q., III, 345, 724, 2467, 3211
Simmons, S. C., 408
Simon, Betty, 1386
Simon, Judith, 1502
Simon, Nicole, 2477
Simons, Estelle, 1783
Simpkins, Katherine Elizabeth, 1311
Simpson, Joe Leigh, 396
Simpson, John W., 2344
Simpson, Kenneth, 1194
Sims, D. G., 200, 2262
Simson, Clyde B., 3228
Sinatra, Frank, 2930
Sinclair, John C., 2338
Singell, Larry D., 735
Singer, B., 2352
Singer, J. D., 35, 2298
Singh, D. N., 1113
Singh, Meharban, 347
Singh, Nirbhay Nand, 3112, 3438
Sinha, S. K., 323
Sinson, Janice C., 1170, 3152
Sirinavin, Chintana, 2259
Sirisinha, Stitaya, 248
Sirkin, Shari, 3058
Sitarz, Anneliese L., 114
Sitkei, E., George, 1715
Sizonenko, Pierre C., 2932
Sjoblad, S., 2076
Skinner, L. G., 1821
Skoldenberg, Birgit, 135
Skopitz, Macey, 1122
Skre, Havard, 1189, 1203, 2273
Skrede, S., 360
Slater, J., 398
Slavin, G., 988
Sleator, Esther K., 1018
Sligar, K. P., 2888
Sliwowski, H., 247
Sloan, William, 1697
Sloman, Leon, 2629
Slone, Dennis, 1855
Sluyter, Gary V., 2775, 3548
Smeets, Paul M., 3342
Smeltzer, James, 2139
Smiley, Constance J., 1606
Smilovitz, Robert, 1701
Smith, Arnold L., 101, 124, 1917
Smith, Arthur M., 1166
Smith, B. R., 2084
Smith, Barbara, 1238
Smith, C. C., 1859
Smith, Cedric A. B., 3038
Smith, Charles, 882
Smith, David H., 975
Smith, David W., 364, 1783, 1860, 1945, 2316, 3042
Smith, Elizabeth I., 1304
Smith, G. F., 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2181, 2182, 2183, 2184, 2197, 3061
Smith, I. Leon, 557
Smith, Isabel, 2128
Smith, James K., 1896
Smith, James O., 703, 3319
Smith, Jerome, 2449
Smith, Kenneth E., 102, 206, 234, 261, 318, 825
Smith, M. A., 1066
Smith, M. Glenn, 2021
Smith, Marion E., 153
Smith, Merran B., 2984
Smith, Nelson, 3442
Smith, S., 3027
Smith, Selwyn M., 220
Smith, Stephen, 146
Smith, Stephen R., 1052
Smyth, Diane P. L., 294
Sneed, Timothy G., 3546
Snell, Martha E., 1589
Snyder, David H., 2780
Snyder, Lee K., 703
Snyder, Russell, D., 442, 1085
Snyderman, Selma E., 1108, 2112
Soare, Pageen, 382
Soeffing, Marylane Y., 205, 515, 548, 582, 776, 1569
Soffer, Dov, 966
Soffronoff, Ernest C., 1797
Sokol, Robert J., 1847
Sokoloff, H. David, 3562
Sola, C. M., 201
Solnit, Albert J., 2659
Solon, Nancy, 414, 438, 439, 552, 646, 647, 694, 702, 788
Solymar, L., 2891
Somerton, M. Ellen, 1482
Song, Agnes Y., 3390
Sontag, Ed, 737, 3350
Soothill, J. F., 936
Sorauf, Thomas J., 2284
Sorenson, James R., 2730
Sorgen, Micahel S., 597
Sosebee, Lynn H., 1638
Sosowsky, Larry, 765
Sotelo-Avila, Cirilo, 1936
Soto, Emilio V., 974
Sotos, Juan F., 3053
Soule, A. Bradley, III, 976
Sourander, P., 1992, 2115, 2891

Sower, Ruth, 576
Sowinski, Richard, 1906
Soyka, Lester F., 1254
Spackman, Thomas, 1943
Spangler, Richard D., 2190
Sparangana, M., 2197
Sparkes, Robert, 2222
Sparling, Joseph J., 3328
Speck, S., 250
Speck, William T., 2909, 2913
Speir, Nancy C., 1638
Spellacy, W. N., 63, 83, 1253, 1830
Spence, Joyce, 1586
Spence, M. Anne, 2466
Spence, Marion, 1865
Spencer, D. A., 699, 2194
Sperber, Richard D., 3136, 3156
Sperling, Karl, 1950
Spigel, J. H., 2888
Suigland, Ilya, 1935
Spitz, Herman H., 2462, 2749, 2750, 2751, 2752, 3134
Spivack, George, 1341
Spivack, Morton, 68
Spoering, Kathy, 3455
Sponzilli, Ernest E., 1896
Spradlin, Joseph E., 3143
Sprague, Mary Jane, 545
Srinivas, K., 2978
Sroufe, L. Alan, 1375
St. *see* Saint
Sta, K. F., 2114
Staaby, Judy, 870
Stachowiak, Robert J., 3535
Stackhouse, W. James, 1101
Stagno, Sergio, 2906
Stainback, Susan B., 575
Stainback, William C., 575
Stamatoyannopolos, G., 1959
Stamm, John M., 1571
Stanescu, V., 2933
Stanfield, J. Paget, 2031
Stanfield, James Stephen, 3512
Starfield, Barbara, 2096
Stark, F. Richard, 527
Starkovsky, N. A., 72
Starreveld, Elout, 2097
Starzl, Thomas E., 290
Stechenberg, Barbara W, 120
Stedman, Donald J., 1655, 1684
Steege, John F., 74
Steele, Buddy, 712
Steele, Joe M., 1321
Steele, M. W., 2724
Stefanovic, Branko S., 2293
Steigner, Martin, 2278
Stein, H., 1224, 2349
Stein, Israel M., 1237, 1239
Stein, Martin T., 217
Stein, Ronald B., 3006
Stein, Sherman C., 3075
Stein, Zena, 391, 2039, 2040, 2058, 2863
Steinberg, A. G., 2189, 2724, 2788, 3053, 3479
Steinbock, Elizabeth A., 1726
Steinkamp, Marjorie Walker, 482
Stemmermann, M. G., 116
Stendel, Angelika, 3001
Stengel-Rutkowski, S., 2143
Stephens, Beth, 3237, 3342
Stephens, Estherdale, 1518
Stephens, Syatt E., 1464, 1599, 3134
Stephenson, J.B.P., 2010
Sterky, Goran, 2065
Stern, L. M., 2196
Stern, Leo, 1270
Sternlicht, Manny, 870, 1463
Sterns, Caroline R., 3356
Stevenaert, A., 3062
Stevens, Godfrey D., 1761, 3330
Stevens, Harvey A., 2761
Stevens, Mildred, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2556, 2615
Stevens, Richard, 283
Stewart, C. R., 385
Stewart, G. T., 1886
Stewart, Janet C., 1301
Stewart, Joseph F., Jr., 3389
Stewart, Mark A., 2610, 2919
Stewart, Ray E., 2278
Steyn, M. F., 2167
Stiehm, E. Richard, 2907
Stiffler, Shirley J., 2204
Stine, Oscar C., 1993
Stirrat, G. M., 138
Stock, J. R., 2535, 2536
Stocker, J., 17
Stocks, Janet, 3078
Stoddard, Gayle R., 1116
Stodden, Robert A., 1476
Stoll, Claude, 3004
Stone, Nancy W., 1744
Stone, Sanford H., 2870
Stone, W. Conrad, 2249
Stott, Grant, 3112
Stott, Thomas W., 441
Stoudenmire, John, 721
Stover, William H., Jr., 1025
Strain, Phillip S., 1498, 1609
Strausbaugh, Linda, 2854
Strausmanis, R., 3037
Strauss, Lotte, 2247
Strauss, Peter L., 757
Strax, Thomas E., 2473
Strelling, M. K., 988
Strenecky, Bernard J., 1550
Striffler, Nancy, 440
Strong, Louis, 3073
Strother, Charles, 1559
Stroud, Agnes N., 2209
Stubbe, P., 2915
Stubblefield, James H., 1292
Stuck, Gary B., 3231
Studd, John, 1805
Sturm, Randall, 903
Suddaby, Mary, 866
Sudell, B., 1135
Sudo, Norihito, 2362
Sugiura, Yasuo, 2100
Suidan, Aida Khazin, 1848
Sukumaran, P. K., 1957
Sullivan, Ina, 870
Sullivan, Margaret M., 1576
Sullivan, Ruth Christ, 3095
Sulzbacher, Stephen I., 216, 578, 1020, 1593
Sum, Grace, 1996
Summitt, Robert L., 2147, 2219, 2200, 3015
Summons, R. E., 2083
Sund, Mary Ann Nienaber, 624
Sundberg, B., 1205
Sundelin, C., 2849, 2850
Sunshine, Philip, 2930
Super, M., 2165
Surainder, Yeldandi, 2354
Surber, Joe Robert, 629
Sushinsky, Leonard W., 1557
Suskind, Robert, 248, 255
Susser, Mervyn, 391, 2039, 2040, 2058
Sussman, Ellen J., 790, 791, 792, 793, 794, 795, 796
Sutherland, Betty S., 291
Sutherland, David H., 244
Sutherland, Grant R., 380, 2228, 2252
Sutherst, John R., 930
Sutton, R.N.P., 182
Suwansirikul, Sakdidej, 1903
Suzuki, Kinuko, 1031
Suzuki, Kunihiko, 299
Suzumori, Kaoru, 2789
Svedbergh, Bjorn, 3069
Sveger, T., 2367
Svennerholm, L., 2014, 2015, 2115
Svenningsen, N. W., 2334, 2353, 2357, 2358
Swallow, M. W., 1853
Swanson, J. Robert, 1252
Swanson, Lee, 3173
Swanstrom, S., 2366
Swarbrick, Linda, 2004
Swartz, Jon D., 844, 2774
Swartzberg, John E., 1869
Sweet, Avron Y., 1266
Sweet, R. L., 2867
Sweetman, Lawrence, 275, 1894
Swensson, Richard E., 368
Swick, H. M., 2923
Swicord, Wynette F., 1852
Swift, Patricia E., 578, 1593
Swift, Thomas R., 2296
Swinyard, Chester A., 1199
Swisher, Linda, 3163
Sybulski, S., 406, 885
Sykes, Peter, 3594
Symchowicz, S., 151
Symons, John, 2001
Sype, M. Susan, 3346
Sytinsky, Igor A., 913
Szalay, Glenn C., 2326
Szoke, Maria C., 1029, 1030, 1285, 2009
Szymanowski, Romuald T., 2288

Tada, K., 1074
Tadmor, R., 1184
Tagatz, George, 1117
Taichert, Louise C., 816
Talafant, Edmund, 2914
Talamo, Richard C., 1268
Talbott, Robert William, 509
Talkington, Larry W., 1611, 2774, 3176
Tallan, H. H., 297
Taller, E., 2975
Tallman, John F., 296
Talvik, T. A., 2185
Tamborlane, William V., Jr., 974
Tamir, Israel, 405
Tan, K. L., 995
Tanaka, Harumi, 299
Tanaka, Junichi, 2990
Tanaka, Ryuichi, 908
Tang, Terry, 3379
Tang, Thomas T., 175, 2872
Tanguay, Peter E., 2470
Tankovsky, I., 1055
Tanner, J. M., 2938
Taqi, Qamar, 2044
Tarjan, George, 2834
Tatham, A., 2399
Taub, Arthur, 3084
Tavormina, Joseph B., 820, 3463
Tawney, James W., 1579, 1581
Taylor, Doris, 309
Taylor, Fred M., 1936
Taylor, Hayward G., 3545
Taylor, Jennifer, 2436
Taylor, Joan, 1392, 3315
Taylor, Jonathan J., 1378
Taylor, Kenneth M., 2235
Taylor, P., 3398
Taysi, Kutay, 2233
Tearney, Alice I., 2803, 3596
Tedesco, T. A., 353
Teger-Nilsson, Ann-Catrine, 2012
Tejani, Nergesh, 1810, 2391
Templeton, Virginia, 1454
Temtamy, Samia A., 365
Tenbricke, Margaret S., 2873
Tenconi, Romano, 2154
Tendero, A., 3074
Teng, Cecilia C., 303
Tennes, Katherine, 1128, 1815, 2145
Tenser, R. B., 110
Teplitz, Raymond L., 2239
Terashima, Yogi, 2100
Ter Haar, B.G.A., 2312
Terheggen, H. G., 1071
Ter Meulen, V., 173
Terry, Pamela R., 3138
Teske, June Elizabeth, 1644
Tetley, A. J., 2892
Tew, Brian, 2306
Thaler, M. Michael, 958, 1910
Thanangkul, Ousa, 2951
Therkelsen, Aage John, 2148
Therman, Eeva, 1121
Thero, Cyndi, 2801
Thiagarajan, Sivasailam, 1532, 1533, 1534, 1535, 1536, 1540, 1541
Thibeault, Donald W., 2327, 2382
Thiry, L., 910
Thistlethwaite, D., 1090
Thom, Hazel, 2988
Thom, J. C., 2167
Thom, Michael L., 2365
Thoman, Evelyn B., 3197
Thomas, Alexander, 229
Thomas, D. C., 2881
Thomas, G. G., 2265
Thomas, George H., 2110
Thomas, P. K., 2080
Thomas, William E., 1728
Thompson, Carolyn R., 102, 206, 261, 318, 827
Thompson, Havelock, 2220
Thompson, Jay, 2207
Thompson, John L., 2826
Thompson, Juliette, 970
Thompson, M., 467
Thompson, Theodore R., 1262
Thompson, William, 997, 2246
Thomson, A. M., 1058
Thomson, Dorothy, 1853
Thomson, J. A., 2084
Thomson, Michael E., 468
Thormar, H., 2892
Thornton, Linda, 1640
Thorp, Frank K., 2043
Thorpe, Harvey E., 269
Thorpe, Helen S., 519
Thorpe, J. G., 3408
Thorpe, Suzanne R., 2969
Thorum, Arden R., 2534
Thoulon, J. M., 1798
Throne, John M., 1325, 1496
Throop, Frank B., 2925
Thuline, Horace C., 329
Thurlow, Martha L., 1319, 2457, 2579, 2580
Thurman, Richard L., 3361
Thurman, S. Kenneth, 3547
Thurmon, Theodore F., 2212, 3059, 3060
Tiddy, William, 2274
Timmermans, J., 1048
Timor-Tritsch, Ilan, 70
Tinbergen, Nikolaas, 504
Tindall, Richard, 1081
Tinlin, Anthony, 3501
Tinney, Franklin A., 1407
Tippett, P., 2111
Tipton, Richard H., 2851
Tishler, Peter V., 2008
Tiwary, C. M., 1023
Tizard, J.P.M., 245
Tjossem, Theodore D., 2837, 2838
Tobin, J. O'H., 1858
Todd, James K., 1883
Todres, I. David, 957, 1239, 2724
Tolksdorf, M., 2996
Tolley, J. A., 177
Tolliver, Billie, 1573
Tomasi, Lawrence G., 1983
Tomasovic, Jerry A., 2295
Tomasulo, Daniel J., 3386
Tondeur, M., 2985
Tooley, W. H., 850, 1255
Tooze, Jennifer A., 2073
Torcal, F. Vargas, 1163
Tortorolo, G., 982
Tovey, L. A. Derrick, 1947
Towner, Joseph W., 1040, 2213, 3006
Townes, Philip L., 2204, 2243
Townsend, Jeannette J., 904, 2260
Townsend, Joseph L., 666
Townsend, Peter W., 3456
Toyo-Oka, Teruhiko, 1097
Tracy, Margaret C., 2212
Trauner, Doris A., 1894
Trecartin, Richard, 996
Treffers, P. E., 1824
Tremblay, Rejean, 3352
Trent, Frederick, 2335
Trias, Estrellita, 2093
Trimble, Benjamin K., 1844
Triska, Roland A., 392
Trompeter, R., 181, 1272, 1887
Troost, B. Todd, 359
Trowbridge, Arthur A., 2259
Truby, Roy, 1448
Trunkfield, Arthur H., 778
Trunnell, Gary, 3406
Trupin, Eric W., 1749
Tsang, Reginald C., 251
Tso, Mark O., 269
Tsuang, Ming T., 1114
Tsuchimoto, T., 2244
Tsuda, Katsuya, 2100, 2779
Tu, Linda, 998
Tucker, Dennis J., 1595
Tucker, Richard P., 2901
Tuderman, L., 32
Tufts, Emily, 962
Tufts, Jean, 1475, 1509
Tunnell, Ragnar, 1796, 1953
Tunte, Wilhelm, 2742
Turbeville, David F., 1813
Turel, Anthony P., Jr., 909
Turnbull, A. C., 1972
Turnbull, Ann P., 3303, 3304, 3305, 3306, 3307, 3308, 3309
Turnbull, Craig D., 3507
Turnbull, H. Rutherford, III, 534, 600, 734, 3571
Turner, B., 1104, 2168, 2974
Turner, Gillian, 174, 2168
Turner, J. Howard, 1229, 1973
Turner, Keith D., 1482
Turner, Marguerite T., 1470
Turner, Russell D., 722
Turner, T., 1250
Turnure, James E., 1319, 2414, 2456, 2457
Turpin, Jean-Claude, 2007
Tuur, S. J., 2185
Tygstrup, Inge, 293
Tyler, J. Larry, 586
Tymchuk, Alexander J., 724, 1745, 1760, 2467
Tze, Wah Jun, 1064

Uauy, Ricardo, 1238
Uchida, Irene A., 2189
Uehling, D. T., 2299
Uga, Naoki, 2291
Ulstrom, Robert, 2934
Umetsu, M., 931
Unsworth, Edward J., 411
Upadhyaya, Kailash C., 253
Urban, Stanley, 3269
Urizar, Rodrigo E., 176
Urrusti, Juan, 2283, 2335, 2339
Ursin, Kathleen G., 2555
Usategui-Gomez, M., 83
Usher, Robert H., 1235, 2354
Usoev, S. S., 2300
Utermann, G., 2987
Uzgiris, Ina C., 3098

Vaccaro, R., 1862
Vader, Christine, 2759
Vahlquist, Bo., 2063
Vail, Morgan, 666
Valdimarsson, H., 178
Valente, Mario, 724
Valk, Jaap, 1351
Valmikinathan, K., 2978
Valsamis, Marius P., 2870
Vamos-Hurwitz, E., 2985
Van Biervliet, J. P., 1141, 1208, 2986
Van Brero, Maria, 3439
Van Caillie, Micheline, 1260
Van Den Berg, Bea J., 1855
Van Den Berghe, Herman, 1842, 3035
Van Den Bogaert-Van Heesvelde, A. M., 2230
Van Den Schrieck, Henry-George, 2037
Van Den Temple, A., 2238
Vanderschueren-Lodeweyckx, Magda, 1092
Van Der Westhuysen, J. M., 2947
Vandever, Thomas R., 3140, 3317
Van Doorninck, William J., 2455
Van Dyck, Peter C., 131
Vandyke, David H., 2090
Van Egmond, H., 1157
Van Eyes, Jan, 1123
Van Hagen, John, 524
Van Hemel, J. O., 1141, 1208
Vanier, M. T., 2014, 2015, 2115
Van Kempen, C., 2157
Van Krevelen, D. Arn., 3096
Van Marthens, E., 425
Van Mele, B., 2999
Van Ness, Madge B., 1206
Van Niekerk, C. H., 2947
Van Niekerk, W. A., 2167
Van Osdol, Bob M., 3358
Van Rens, T.J.G., 2312
Van Wijingaarden, G. K., 2371
Varano, Lottie A., 1257
Varendh, Gunilla, 2342
Vargas, Gladys C., 142
Varma, Rajiv R., 2872
Vassella, F., 2129, 3399
Vaughan, D. P., 2094
Vawter, Gordon F., 1103
Veale, A.M.O., 2767, 2965
Veall, R. M., 321
Veath, M. Lois, 1082
Vedvick, Thomas S., 999
Veit, Steven W., 3212
Velasco, Elba G., 1044
Velez-Serra, Damian, 478
Ventura, Arnoldo, 1877
Vergason, Glen A., 1576
Verghese, Paul, 2736
Verhaaren, H., 1157, 2230, 2999
Verhoven, Peter J., 2699
Verma, Ishwar C., 253, 347
Vermeij-Keers, Christl, 2889
Vesterhus, P., 2117
Victorin, Lars, 2328
Vidyasagar, D., 142, 279, 1256
Viikmaa, M. H., 2185
Vijayalaxmi, 3022
Villatoro, Elba, 2335
Villaverde, Manuel M., 331, 2253
Viloria, J. E., 2990
Vince, J. D., 386
Virnig, Norman L., 1875
Visudhiphan, Pongsakdi, 144
Vlietinck, Robert F., 1842, 1845
Voelkner, Alvin R., 1469
Vogel, Muriel R. Laufe, 476
Vogel, Paul, 429, 1622
Vogel, Susan Ann, 3145, 3146, 3147, 3148, 3149, 3150
Volker-Dieben, H. J., 1118
Volpe, Joseph J., 2263
Von Petrykowski, Wolfgang, 1038
Vorherr, Helmuth, 2389
Vosbeck, R. Randall, 1484
Vuille, J.-C., 2849, 2850
Vula, O., 235

Wadlington, William B., 275
Wadlow, Meredith, 3338
Wadsworth, Helen M., 520
Wagenaar, W. A., 2141
Wagner, Linda L. Kordis, 518
Wagner, Patricia, 1463
Wagner, Rudolph F., 2426
Waisberg, Hector A., 236
Wald, Nicholas, 29, 861
Wald, Patricia M., 750
Waldenmaier, C., 320
Waldenmaier, Klaus, 1950
Waldenstrom, Johan, 2077
Waldman, Jordan, 2901
Waldman, Stephanie, 2332
Waldron, Faith, 1592
Waldron, H. A., 1988
Walker, Harry A., 3106, 3164
Walker, S. F., 3425
Walker, Sheila M., 377
Walker, Sydney, III, 1021
Walker, Sylvia, 801
Wallace, Bruce R., 2478
Wallace, Jon, 3439
Wallace, Helen M., 2748, 2841
Wallach, Edward E., 2390
Wallgren, E. I., 987
Walshe, J. M., 295, 1072
Walters, Vernon W., 157, 1877
Walti, U., 3399
Walton, Henry Harrison, 631
Waltz, Jon R., 3584
Walz, M. Antoinette, 154
Wambold, Clark L., 1577
Wangel, A. G., 1150
Ward, A. Milford, 385
Ward, Alan J., 3180, 3181, 3182, 3183, 3184, 3185, 3189, 3190, 3391, 3393, 3394, 3395, 3413, 3414, 3533, 3534
Wardenbach, P., 2962, 2966
Warfield, Grace J., 625, 806, 1750
Warkany, Josef, 1942
Warnberg, Larry, 3055
Warner, J. O., 1034
Warram, James H., Jr., 1233
Warren, Richard J., 2225
Warren, Sue Ann, 840, 3362
Warshaw, Joseph B., 1238, 3089
Warshow, Joyce P., 1602
Wartofsky, Marx W., 2724, 2725
Waterman, Susan, 2925
Watkins, Charlotte H., 1470
Watson, B., 1447
Watson, John S., 3172
Watson, Luke S., Jr., 3436, 3573
Watson, Marjorie, 531
Watson, Peter, 1563
Watson, Stanley, 150
Watters, Gordon, 2105
Watts, R.W.E., 1105, 2959, 2989
Wear, J. B., Jr., 2299
Weatherall, D. J., 1949
Weatherall, Josephine A. C., 907
Weaver, Joseph, 1742
Weaver, Judith B., 1787
Weaver, Nancy Matthews, 3471
Webb, P. M., 1132
Weber, Bruce A., 1020
Weber, Felice, 2222
Weber, Paul M., 26
Webster, A.D.B., 988, 2989
Webster, Christopher D., 1308, 2629
Wedell, Klaus, 1288
Wedgwood, Ralph J., 329
Weekler, Elaine, 1428
Weener, Paul D., 3137
Wegenke, J. D., 2299
Wehinger, H., 310
Wehman, Paul H., 645, 2701
Weibel, Robert E., 916
Weil, Marvin L., 2911
Weinberg, Andrew David, 2651
Weinberg, Arthur G., 2309, 3034
Weinberg, Paul C., 79
Weinberg-Asher, Nancy, 1769
Weinberger, Jesse, 1893
Weiner, Barbara J., 2707
Weiner, Leslie P., 912

Weingold, Allan B., 2362
Weinkove, E., 1053
Weinraub, Marsha, 3226
Weinraub, Zvi, 405
Weinstein, Robert A., 1873
Weis, Charles J., Jr., 3234
Weisenstein, Greg R., 650
Weishahn, Mel W., 3249, 3250, 3251, 3252, 3253, 3254, 3255, 3257
Weiss, Bennett A., 59
Weiss, Bernard, 1857
Weiss, D. B., 890
Weiss, Jess B., 1817
Weiss, Lester, 2288
Weiss, Robert R., 72, 1807, 1810, 2391
Weiss, Roberta, 2974
Weissbrod, Carol S., 3217
Weisz, John R., 3154
Weithorn, Corinne, 1019
Welbourn, Hebe, 2320
Welch, Michael Warren, 1506
Welcher, Doris W., 2108
Weldon, Virginia V., 362
Weller, R. O., 1185
Wellinghoff, Wanda, 1873
Welsh, Carol, 2022
Welsh, Oliverio, 2276
Wendel, U., 2958
Wender, Paul H., 232
Wendt, Eugene, 545
Wenger, David A., 299
Wennberg, Richard P., 298
Went, L. N., 1118
Wentrup, H., 2958
Wentz, W. Budd, 149
Werder, Edmond A., 2091
Werry, John S., 727
Wesolowski, Michael D., 714, 3462
Wessel, Janet A., 1622
Wessel, Morris A., 2000, 2718
West, Margaret A., 3459
Westlake, Wilfred, 1293
Westphal, Carl R., 1631
Westwood, A., 2079
Wetherick, N. E., 1170, 3152
Whalley, Peggy, 336
Wharton, Brian A., 1223, 1227, 2059
Wheeler, Roslyn A., 3316
Whelan, D. T., 1188
Wheldall, Kevin, 2438
White, G. J., 1871
White, Margaret, 2627
White, Marie R., 2204, 2243
Whitehead, Claude, 2590
Whitehead, Paul C., 1703
Whiteside, Maxwell G., 2984
Whitfield, A. E., 1785
Whitfield, C. R., 398, 1821
Whitley, Richard J., 973
Whitlick, Amy, 1702
Whittaker, James K., 3396
Whittle, Betty Ann, 2858
Whittle, H. C., 1878
Whn Pugh, E., 1929
Whorton, James, 570
Wichlacz, Casimer R., 224
Wick, Hugo, 2086
Wicker, Patricia L., 586
Wickey, Jane M., 2652
Wicksman, R. S., 1969
Widdowson, E. M., 2937
Wiedemann, H. R., 2996
Wieder, William, 403
Wiegerink, Ronald, 1649, 3502
Wiesenfeld, Stephen L., 1851
Wiesner, Jaime, 1776
Wignall, N., 1061
Wiig, Elisabeth H., 463, 466, 1357, 1369
Wilbur, Lorraine, 3016
Wilcken, F., 1954
Wilds, Thomas, 1437
Wilhelm, Hannelore, 2410
Wilhelmsson, S., 2012
Wilkerson, Dennis, 2693
Wilkin, David, 397
Wilkinson, A. R., 1247
Wilkinson, A. W., 1222
Wilkins, Jeanette, 967
Will, Patricia, 544, 1467
Willcox, M. C., 979, 1949
Willcox, P., 1785, 2078
Wille, L., 189
Willems, J., 281
Willhelm, Sidney M., 1339
Williams, B. N., 1185
Williams, C., 3407
Williams, E. Mair, 11
Williams, Hugh J., 1262
Williams, Jerry D., 2147
Williams, John R., 411
Williams, Paul, 2692, 2770, 3323, 3410
Williams, Sara, 3187
Williams, Wayne Weston, 626
Williams, Wes, 616, 3340
Williamson, Alice P., 161
Willis, Bruce, 1307
Willocks, M. J., 2767
Wilroy, Robert S., Jr., 2219, 3015
Wilroy, Sidney, 2200
Wilson, C. M., 2955
Wilson, J., 294
Wilson, J. M., 1915
Wilson, James G., 2885
Wilson, John A. R., 1343
Wilson, Leo, 68
Wilson, Miriam G., 59, 2213, 3006
Wilson, Phillip, 542
Wilson, R. W., 2955
Wilson, Violet, 3343
Wilson, William Claude, 1567, 1568, 1717
Wilton, J.M.A., 168
Wilton, Keri M., 3359, 3360
Wimberley, P. D., 1249
Windell, Idajean, 3337
Windorfer, A., Jr., 1954, 1964
Wing, John K., 3203, 3508
Wing, Lorna, 1394, 1604, 2833, 3101, 3129, 3202, 3204, 3205, 3206, 3314, 3508
Wingate, Martin, 1293, 2842, 3490
Winick, Myron, 258, 1044, 2943
Winokur, George, 2920
Winsberg, Bertrand G., 1997
Winschel, James F., 1578
Winter, S. T., 419
Winters, Alan J., 336
Winters, Robert W., 1234, 2351
Wirtenberg, Thelma J., 1360
Wise, James H., 729
Wise, P. H., 1077
Wiser, Winfred L., 2200, 3015
Wish, Joel, 2476
Wissink, John F., 1409
Witcher, G., 811
Witt, I., 310
Wixson, Stanton E., 549
Wohlenberg, Charles, 154
Wolf, Judith M., 1524
Wolf, Lucille C., 1703
Wolfe, D. M., 2956, 2975
Wolfe, Robert R., 1124
Wolfensberger, Wolf, 1414, 3510, 3561
Wolff, Otto H., 2128
Wilfinger, Howard L., 2235
Wolfinger, William, 3342
Wolfsdorf, J., 2036, 2352
Wolfson, M. R., 2866
Wolinsky, Gloria F., 801
Wolinsky, Jerry S., 904
Wollheim, Claes B., 2932
Wolontis, Sigvard, 135
Wong, H. B., 1136
Wong, Sandralawae, 2538
Wong, T.T.T., 1136
Wood, B. J., 3071
Wood, Gary P., 185, 2379
Wood, James Jerry, Sr., 784
Wood, T. A., 2073
Woodburn, Margaret, 1175
Woodfield, D. Graeme, 984
Woodford, F. Peter, 2602
Woodhead, J. S., 991
Woodrow, J. C., 1963, 1970
Woods, Elizabeth, 1565
Woolf, F. M., 2122
Woolf, L. I., 2122
Woolschlager, Ruth B., 2560
Wordich, David Lane, 1382
Wranke, L., 1967
Wright, E. V., 1198
Wright, Peter F., 970
Wright, Trevor, 2229, 2444
Wu, Brian C., 169
Wu, Paul Y. K., 2392
Wunderlich, Ray C., 23
Wurster, Stanley R., 814
Wurster-Hill, Doris H., 1172
Wurtman, Richard J., 2364
Wyman, Miachel L., 1246
Wynn, Lawrence, 513
Wynne, Suzan, 1489
Wynne-Davies, Ruth, 2270
Wyss-Hutin, D., 2163
Wyszogrodski, Issie, 1261

Yaffee, Summer J., 2886
Yagami, Yoshiaki, 2789
Yagel, Myron M., 1625
Yahr, Melvin D., 1893
Yamada, Masa-Atsu, 1097
Yamauchi, Terry, 2045
Yanagisawa, Satoshi, 1143
Yang, James P. S., 2903
Yarbrough, Charles, 1232, 2067, 2337, 2340, 2950
Yarrow, Leon J., 3166
Yates, James R., 2493
Yatziv, S., 985, 1958
Yeary, Roger A., 2917
Yeatman, Gentry W., 3008, 3009, 3044
Yeh, Ming-Neng, 894
Yeh, S. Y., 78, 87, 1848
Yeh, T. F., 1256
Yekutiel, Esther, 2592
Yepes, Luis E., 1997
Yille, T. D., 919
Ylikorkala, Olavi, 2256
Ylostalo, P., 32
Yokoyama, Hiroshi, 1143
York, Robert, 3350
Yoshida, Takashi, 2930
Yoshioka, Hajime, 1941
Young, C. Ellery, 1292
Young, Elisabeth, 1785
Youngberg, Millie, 1428
Youngblood, Brenda, 590
Youngblood, Leona A., 1903
Yu, V.Y.H., 1251, 1272
Yudkovitz, Elaine, 1549
Yule, William, 3421
Yune, Huen, 2280
Yunis, Emilio, 2155
Yunis, Jorge J., 3021
Yuwiler, Arthur, 2469, 3093, 3096
Yvert, Francine, 2198

Zacchello, Franco, 2154
Zachariadis, Z., 1959
Zachman, R. D., 1802, 2365
Zackai, Elaine H., 1127
Zahm, David, 1628
Zahnd, Gaston, 2932
Zaldivar, Nieves M., 2908
Zamenhof, S., 425
Zamet, P., 1946
Zang, K. D., 2143
Zannini, D., 1814
Zarafu, Ilana, 186
Zarfas, Donald, 3529
Zarif, M., 279
Zaritsky, A., 1184
Zarkowsky, H., 980
Zdansky, Rosina, 2244
Zeaman, David, 2584
Zehrbach, R. Reid, 13
Zelkowitz, Marvin, 267
Zeman, W., 265
Zentall, Sydney R. Snider, 219, 233
Zervas, Nicholas T., 2364
Zetterlund, Bo, 1786, 1846
Zetterstrom, Rolf, 2077
Ziai, Mohsen, 3080
Zigler, Edward, 1699, 2677
Zimmerman, Barry J., 3366
Ziprkowski, M., 1183
Zisfein, Laura, 3153
Zizka, Jan, 2149
Zucchetti, P., 1862
Zucker, Stanley H., 3178, 3223
Zweig, Herbert M., 1727

CUMULATIVE SUBJECT INDEX

The subject index has been compiled on the basis of abstract numbers rather than pagination.

AAMD-Becker Reading-Free Vocational Interest Inventory, 1616

Abdomen
fetal; ultrasonics in circumference measurement, 397

Abdominal wall
congenital defect, 2264

Aberrant tissue bands: *see under* Abnormalities, multiple

Abnormalities
congenital; vinyl chloride, 943
epidemiology, 1768
of fetus and newborn infant; environmental factors, 2844
genetic mechanisms, threshold phenomena, fail-safe and multiple hit mechanisms, and lax tolerances, 2830
radiation-induced, 2876

Abnormalities, drug induced, 923
clomiphene, 1213, 2256
limb malformations following maternal use of haloperidol, 2897
meprobamate and chlordiazepoxide, 1855

Abnormalities, multiple (*see also* specific syndrome), 1775
aberrant tissue bands and craniofacial defects, 3043
accelerated skeletal maturation syndrome with pulmonary hypertension, 3046
amniotic band syndrome, 370
aniridia and absence of patella, 2279
anticoagulant, 1945
anticonvulsants, 2138
Apert's syndrome (acrocephalosyndactyly), 374, 2212, 2284
Brachmann-Cornelia de Lange syndrome, 2290
branchiootorenal dysplasia, 2280
camptodactyly, multiple ankylosis, facial anomalies, and pulmonary hypoplasia, 3045
central nervous system, produced by narcotics in hamster, 1913
cerebro-faciothoracic dysplasia, 3074
chest circumference and hand measurements, 2205
chromosome abnormalities, 3003
Coffin-Lowry syndrome, 365
congenital; heart block, 2250
congenital; ichthyosis, hypogonadism, mental retardation, and anosmia, 3053
congenital; interrelationships and etiological implications, 1215
congenital; microcephaly, hiatus hernia, and nephrotic syndrome, 3054
congenital; midline scalp and skull defect, 2262
congenital; multifactorial model, 1201, 1202
congenital; parental adaptation, 1748
Conradi-Hunermann chondrodysplasia punctata and warfarin, 1942, 1943, 1944
convulsants, 313
Cornelia de Lange syndrome, with absence of pituitary gland, 3063
craniofacial abnormalities, osseous defects, and MR, 2285
craniostenosis-syndactylism syndrome, with hypersarcosinemia, 2966
cytogenetic; and environment, 3019
deafness, onychodystrophy, osteodystrophy, and MR (DOOR syndrome), 3039
dermatoglyphics, 24
distal brachyphalangy of the thumb in MR, 2253
Duhamel anomalad and monozygotic twinning, 3042
dyskeratosis congenita, 2259
epiphyseal dysplasia, short stature, microcephaly, and nystagmus, 3071
esophageal atresia, 1178
familial frontometaphyseal dysplasia, 2888
familial multiforme ventricular extrasystoles with short stature, hyperpigmentation, and microcephaly, 2286
with Fanconi anemia and growth hormone deficiency, 362
fetal alcohol syndrome, 1860
G syndrome, familial, 1208
genetically programmed changes in cell surfaces; animal model, 2318
Goldenhar-Gorlin syndrome; unilateral arhinencephaly, 2304
happy puppet syndrome, 315
with hepatic duct hypoplasia, 2317
hormonal pregnancy tests, 907
hypohidrotic ectodermal dysplasia with normal teeth, peculiar facies, pigmentary disturbances, psychomotor and growth retardation, bilateral nuclear cataract, and other signs, 2268
incontinentia pigmenti, 1219
incontinentia pigmenti; unusual features, 373
incontinentia pigmenti (Bloch-Sulzberger syndrome) with acute granulocytic leukemia, 3073
Kallman syndrome, 2299
KBG syndrome, 2274
Larsen syndrome with aortic root dilatation, 368
lethal faciocardiomelic dysplasia, 2283
leukonychia totalis, multiple sebaceous cysts, and renal calculi, 2275
limb deficiencies and cranial nerve dysfunction, 2278
linear nevus sebaceous syndrome with porencephaly and nonfunctioning cerebral venous sinuses, 2263
lissencephaly, Dandy-Walker anomaly, and ocular anomalies, 1182
Lowe's syndrome, 1085
Marshall syndrome; generalized osseous abnormalities, 3058
maternal phenytoin ingestion, 1930
megaencephaly in infants, 2260

with MR; possible new syndrome, 3049
Nathalie syndrome, 2312
in neurological diagnosis, 2807
new syndrome; congenital ichthyosis, MR, dwarfism, and renal impairment, 1183
ocular colobomata, cardiac defect, and other anomalies, 2269
oculocerebrorenal syndrome, 1085
ophthalmoplegia, progressive nuclear, associated with MR, and lingua scrotalis, 2293
Opitz trigonocephaly syndrome, 2266
oro-facial-digital syndrome, 1188
otodental dysplasia, 2281
with partial deletion of long arm of chromosome 11, 330
polydactyly with triphalangeal thumbs, brachydactyly, camptodactyly, congenital patella dislocation, short stature, and borderline intelligence, 3055
Prader-Willi syndrome, 355
Prader-Willi syndrome; carbohydrate metabolism, 1109
racial variations in incidence, 3077
radiotherapy, 2311
Rubenstein-Taybi syndrome and trisomy 13, 1120
skeletal dysplasia, occipital horns, diarrhea, and obstructive uropathy, 2292
Smith-Lemli-Opitz syndrome, 2300
Sotos syndrome; sexual sterilization proposed, 81
Stickler syndrome, 2162
ulnar ray and mammary gland hypoplasia, imperforate hymen, and absence of apocrine sweat glands, 3051
VACTERL syndrome, 1210
VATER acronym, 361
vertebral; etiology and relationship to spina bifida cystica, 2270
Werdnig-Hoffman disease with cerebellar hypoplasia, 2309
whistling face syndrome, 2291
Williams elfin facies syndrome, 364
Zellweger syndrome, 2301

ABO factors
Australia antigen in Down's syndrome, 1135
incompatibility and spontaneous abortion, 986

Abortion
in Down's syndrome, 337
ethical views, 2723
genetic consequences, 2815
instillation-to-abortion time and morbidity; effects of oxytocin with saline, 893
laws in Hungary, 1801
legal guidelines, 1826
legal issues, 2814
low birth weight, 1832
medical ethics, 2812, 2813
mid-trimester; alpha-fetoprotein, 73
mid-trimester; intra-amniotic urea, 886
midtrimester; intravascular hemolysis, 68
midtrimester; prostaglandin $F_2\alpha$, 74
midtrimester and missed; intramuscular (15S)-15-methyl prostaglandin $F_2\alpha$, 1809
missed; pregnancy termination with prostaglandin E_2, 1800
spontaneous; ABO incompatibility, 986
spontaneous; chromosome abnormalities, 2203
prostaglandin-induced; complications, 86
saline-induced; water intoxication associated with oxytocin administration, 887
spontaneous, in cytomegalovirus endometritis, 119
spontaneous; spina bifida and anencephalus, 1187
successive spontaneous, in balanced 13/14 Robertsonian translocation carrier, 2997
therapeutic; outpatient laparoscopic sterilization versus abortion alone, 1806
urea, intraamniotic hyperosmolar, 79

Acetylsalicylic acid: *see* **Aspirin**

Achondroplasia
cerebrospinal fluid scanning to determine pathophysiology, 3062
pseudo; proteoglycan abnormalities, 2933

Acidosis
metabolic, in very low birth weight infant; 2 modes of $NaHCO_3$ treatment, 2329
metabolic, with tyrosinemia, 2111
Reye's syndrome manifestations without, 2890

Acrocephalosyndactylia, 374
partial trisomy 6, 2212
type Noack, in large kindred, 2284

Adaptive Behavior Checklist, 3216

Adaptive Behavior Scale, 3234, 3240

Addison's disease
and probable autoimmune thyroiditis in Down's syndrome, 322

Addison-Schilder disease: *see* **Siemerling-Creutzfeldt disease** *under* **Brain diseases**

Adenosine arabinoside: *see* **Arabino-furanosyladenine** *under* **Purine nucleotides**

Adenosine cyclic 3′,5′ monophosphate
pseudohypoparathyroidism, 1064

Administration on Aging: *see under* **Mental retardation**

Adolescence
developmental disabilities, 418, 2473
developmental disabilities and learning disorders, 2424
effect of secondary handicap on employment of educable mentally handicapped in Scotland, 2591
follow-up studies of rubella vaccines at, 1934
personhood of SMR appraised, 1385
residential facility for autistic adolescents in United Kingdom, 1374

Adoption
agency procedures for handicapped, 1738
fostering MR children, 2705
MR child placement; coping ability of adopting parents vs. natural parents, 3574

Adrenal cortex hormones
acute meningoencephalitis with downbeat nystagmus, 1893

plasma corticoids in respiratory distress syndrome, 1271
in rubella encephalitis, 128

Adrenal glands
function in infants with marasmus and kwashiorkor, 249
hypoplasia in low birth weight infants, 2326

Adrenaline: *see* **Epinephrine**

Adrenergic beta receptor blockaders
propranolol during pregnancy; fetal effects, 123

Adrenoleukodystrophy: *see under* **Cerebral sclerosis, diffuse**

Advocacy, 746
severely and profoundly handicapped child, 2662

Affect
and intelligence in infancy, 3167

Agammaglobulinemia
transfer factor therapy, 2908

Age factors
maternal; relationship to birth order and etiology of MR, 870

Aging
MR, 1278, 1279, 1280, 1281, 1282, 1283
MR; Administration on Aging, 1657
MR; President's Committee, 1656
older paternal age and autosomal dominant disorders, 1849, 2316
X chromosome loss in human ovary, 67

Alanine
growth hormone, insulin, and glucose effects in protein-calorie malnutrition, 1053

Albumins
levels in fetal cerebrospinal fluid, 863
fluorescent dye method for determining bilirubin binding capacity in serum, 186
serum, in kwashiorkor, 256

Alcohol, ethyl, 1860
film for EMR on hazards, 641

Alcoholism
fetal alcohol syndrome, 1860, 1897, 2873
hyperkinesis preceding, 2920

Alkaline phosphatase
maternal serum heat-stable, in normal and high-risk pregnancies, 62

Alopecia
totalis, nail dysplasia, and amelogenesis imperfecta in Turner syndrome, 2206

Alopecia areata
Down's syndrome and autoimmunity, 2191

Alpha-fetoproteins: *see under* **Fetal globulins**

Alpha-ketoadipic aciduria: *see under* **Amino acid metabolism, inborn errors**

Alpha 1 antitrypsin
amniotic fluid values in normal and complicated pregnancy, 1798
mass screening, 1268
phenotypes in sex chromosome mosaicism, 2199

Alzheimer's disease: *see* **Dementia, presenile**

Amaurotic familial idiocy, 2978
early and late infantile, 264
high gene frequency in non-Jewish population, 2071
Jansky-Bielschowsky disease, 264
juvenile; peripheral nerve involvement, 266
late infantile; multilamellar cytosomes, 2123
neuronal ceroid-lipofuscinosis, 260
neuronal ceroid-lipofuscinosis (Spielmeyer-Sjogren and Jansky-Bielschowsky types), 265
Sandhoff fibroblast; complementation after fusion, 2082
Santavuori disease, 264
Tay-Sachs fibroblasts; complementation after fusion, 2082

Amelogenesis imperfecta
with alopecia totalis and nail dysplasia in Turner syndrome, 2206

Amino acid metabolism, inborn errors
alpha-ketoadipic aciduria, 2955
aspartylglucosaminuria; laboratory diagnosis, 276
aspartylglucosaminuria; leukocyte function, 1100
free amino acids in cultured skin fibroblasts, 2106
glutaric aciduria with neurodegenerative disorder, 303
histidinemia, 1070, 2088
histidinemia; infantile spasms, 2089
histidenemia with features of Marfan syndrome, 283
homozygote screening, 57
hyperargininemia, familial, 1071
hyperdibasicaminoaciduria, hyperammonemia, and growth retardation; amino acid therapy, 1101
hyperglycinemia, 2964
hyperglycinemia, acute neonatal nonketotic; normal propionate and methylmalonate metabolism, 2086
hyperglycinemia, ketotic; animal model, 2964
hyperglycinemia, nonketotic, and methylmalonic acidemia, 1074
hyperglycinemia, nonketotic, and propionic acidemia, 275
hyperornithinemia, hyperammonemia, and homocitrullinuria associated with decreased carbamyl phosphate synthetase I activity, 2975
hyperphenylalaninemia; effects on rat optic nerve, 2983
hyperphenylalaninemia; phenylalanine hydroxylase assay, 2960, 2973
hyperprolinemia with hyperglycinemia in 3 sibs, 1065
hypersarcosinemia with craniostenosis-syndactylism syndrome, 2966
lysinuric protein intolerance; diamino acid transport into granulocytes and liver slices, 2977
methylmalonic acidemia; methylmalonyl coenzyme A carbonylmutase activity, 2972
methylmalonic acidemia; prenatal vitamin therapy, 302

methylmalonic acidemia and nonketotic hyperglycinemia, 1074
methylmalonic aciduria, 2077
methylmalonic aciduria, management; 2-methylcitrate effect on citrate metabolism, 2961
sulfite oxidase deficiency; cysteine-S-sulfate, 2120
tyrosinemia; biochemical effects of chloral hydrate, 2959
tyrosinemia, transient; method for detection in premature infants, 2083
tyrosinemia with severe metabolic acidosis, 2111

Amino acid oxidoreductases
lysyl oxidase; x-linked deficiency in cutis laxa, 3057

Amino acids
amniotic fluid, in intrahepatic cholestasis of pregnancy, pre-eclampsia, and rhesus incompatibility, 32
cerebrospinal fluid composition in meningitis and encephalitis, 913
concentrations during pregnancy of women heterozygous for phenylketonuria, 291
entry into brain and muscle in hypothyroidism, 1098
incorporation into guinea pig brain slices in acute encephalomyelitis, 103
lack of effect upon collagen-induced platelet aggregation in homocystinuria, 2098
maternal; fetal growth and mental development, 2070
plasma, in low birth weight infants treated with intravenous nutrition supplement, 389
therapy for hyperdibasicaminoaciduria, hyperammonemia, and growth retardation, 1101
treatment in phenylketonuria, 2128

Aminoglycosides
in gram-negative bacillary meningitis, 117

Ammonemia
hyperammonemia; leukocyte urea cycle enzymes, 2956

Amniocentesis, 95
cytogenetic parameters as functions of clonal type and preparative techniques, 877
in Down's syndrome, 337
fetal lung maturity, 408
gangrene of fetal limb, 99
genetic counseling; ultrasonics, 76
hyperosmolar urea in abortion, 79
impact on mothers and infants, 1815
legal implications, 60
needle puncture of fetus, 59, 890
pneumothorax and surgical emphysema, 98
prenatal diagnosis and abortion; medical ethics, 2813
risks, 92, 1804
safety evaluated, 69
with and without ultrasound placental localization; risks of fetomaternal hemorrhage, 1811
ultrasonically guided; prenatal karyotyping, 1831

Amniotic band syndrome: *see under* **Abnormalities, multiple**

Amniotic fluid
alpha-fetoprotein levels, 377, 380, 385, 865, 1205
alpha 1 antitrypsin values in normal and complicated pregnancy, 1798
amino acids, in intrahepatic cholestasis of pregnancy, pre-eclampsia, and rhesus incompatibility, 32
bubble stability in assessment of fetal maturity, 71
components and fetal maturity, 83
fatty acid composition in several stages of pregnancy, 14
fetal maturity; biochemical analyses, 895, 1786, 1802, 1829, 2379
foam test and fat cell count in mal- and well-nourished fetuses, 33
freezing and thawing effects, 84
immunoglobulin M in diagnosis of spina bifida, 383
lecithin/sphingomyelin ratio; effects of blood on meconium, 1253
macrophage count in anencephaly and spina bifida, 2252
mosaicism in cell cultures, 2228
phosphatidic acid phosphohydrolase (PAPase) and lecithin/sphingomyelin ratio, 401
protein; fetal ingestion and metabolism, 2069
thyroid hormones and thyrotropin, 19
total protein estimation to distinguish from maternal serum, urine, or plasma, 21
variability of acid hydrolase activities, 1785
volume in respiratory distress syndrome, 405

Amphetamine
in hyperkinesis, 2004

Ampicillin
in congenital syphilis, 172

Amyloidosis
genetic factors, 2080

Amyotrophic lateral sclerosis
familial, with dementia, 1204
lymphocytic meningitis, 926
predictive study in Guam, 2388

Anemia
Fanconi; growth hormone deficiency and congenital abnormalities, 362
iron deficiency, 2063
in maternal smokers; risks to fetus, 1865

Anemia, aplastic
Fanconi's anemia; endocrine disorders, 2915
Fanconi's anemia; oxymethalone and human growth hormone treatment, 992
Fanconi's anemia; premature chromosome condensation, 1950

Anemia, hemolytic
glucosephosphate isomerase deficiency, 2986
relapsing Coombs-negative, in pregnancy with hemolytic disease of newborn, 985, 1958

Anemia, sickle cell
neuropathy and lead poisoning in child, 112
physical and intellectual development of black children, 997

Anencephalus
alpha-fetoprotein levels, 29, 385, 1200, 1212, 1823, 1825, 2310

hydranencephaly, 1209
mass screening, 2257
misdiagnosis, 369
potatoes, 2251
pregnancy complications, 371
prenatal diagnosis, 1199, 1214
prenatal diagnosis; alpha$_2$-macroglobulin concentrations, 3070
prenatal diagnosis; amniotic fluid macrophage count, 2252
prevention, 37
spontaneous abortion, 1187

Aneuploidy
additional XYY, in Down's syndrome, 1132
double; Turner-Down's syndrome, 2204
mosaic double, of X and G chromosomes, 1113
sex chromosome; dermatoglyphic findings in XXX females, 2160

Aneurysm
aortic, with anomalies of iris, 3048
congenital, of left posterior inferior cerebellar artery, in child, 2136

Angiokeratoma corporis diffusum
ceramide trihexosidase isolation and evaluation of enzyme replacement therapy, 2104
enzyme replacement therapy, 267, 2969

Angiomatosis
Hippel-Lindau disease and neurofibromatosis coexistent in a family; common gene etiology, 2008
Klippel-Trenaunay-Weber syndrome with tuberous sclerosis, 359

Ankylosis
with camptodactyly, facial anomalies, and pulmonary hypoplasia, 3045
facial anomalies, and pulmonary hypoplasia, 3044

Anosmia
with congenital ichthyosis, hypogonadism, and mental retardation, 3053
as index of low viability in PMR, 2786

Anoxemia
pulmonary gas exchange and blood gas exchanges after birth; influence of environmental temperatures, 1953

Anoxia (*see also* **Fetal anoxia**)
hypoxanthine as measure of, in newborn infant, 2369
intrauterine; hypoxanthine and xanthine level determination in plasma and urine, 2370
-ischemia brain lesions associated with serum hyperosmolality, 2360
-ischemia damage to cerebral neurons, 1244

Anthropometry
weight/length classification of nutritional status, 2060

Antibiotics
bilirubin displacement, 1952
haemophilus influenzae, 1870

Antibodies
food, in malnutrition, 1056
maternal Hl-a, and fetal sex, 1963

Anticoagulants
multiple abnormalities in newborn infant, 1945

Anticonvulsants
effect on psychological test performance of epileptics, 2131, 2135
multiple abnormalities, 313, 2138
psychological test performance, 312
red cell folate and macrocytosis in nonanemic MR epileptics, 713
usage in preschool special education programs, 3475

Anxiety
maternal, and difficult pregnancy; effects in early infantile autism, 3185

Aorta
dilatation in Larsen syndrome, 368
dissecting aneurysm with iris anomalies, 3048

Apert's syndrome: *see under* **Abnormalities, multiple**

Apgar score
fetal heart rate patterns, 400
predicting newborn infant survival and development, 1284

Aphasia
Gogi syndrome, 1990
polyglot, bilingualism, and multiple dyslexia, 2426

Apnea
fetal; following maternal smoking, 1263
in infants; pneumogram, 1237
in low birth weight infant; prevention, 1239
monitors to prevent sudden infant death, 1267
in premature infant; theophylline, 1238
in premature infant; xanthines, 1240, 1254

Aptitude tests
vocational assessment battery, 516

Aqueductal stenosis
viruses, 148

Arabino-furanosyladenine: *see under* **Purine nucleosides**

Arachnodactyly
with histidinemia, 283
variable expression in monozygotic twins, 2313

Arginine
infusion in children and adolescents with idiopathic short stature, isolated growth hormone deficiency, panhypopituitarism, and anorexia nervosa, 2932
infusion in low birth weight infants; glucagon response, 2331

Arnold-Chiari deformity
Dandy-Walker syndrome, 1174

Art: *see under* **Recreation**

Art therapy
learning disabilities, 1300

Arterial occlusive diseases
in 47,XYY male, 379

Arteries
umbilical catheters; reduced thrombus formation, 1262

Arthrogryposis
multiplex congenita; ankylosis, facial anomalies, and pulmonary hypoplasia, 3044

Arylsulfatase: *see under* **Sulfatases**

Ascites
chylous, in battered child syndrome, 1981

Ascorbic acid
metabolism in premature and small-for-date infants, 1225

Aspartylglucosaminuria: *see under* **Amino acid metabolism, inborn errors**

Asphyxia
mortality in institutionalized MR, 415
partial *in utero,* in monkey; central nervous system findings, 2373
single injection polyfructosan clearance, 2357

Asphyxia neonatorum
fatal, with X-linked myotubular myopathy, 2371
intrauterine growth retardation, and fibrin/fibrinogen degradation, 201
in monkey; phenobarbital effects, 2368
polymorphonuclear leukocyte content of gastric aspirate, 2356
from umbilical cord compression, 2374

Aspiration: *see under* **Respiration**

Aspirin
Reye's syndrome manifestations without acidosis and hypoglycemia, 2890

Aston Index: *see under* **Dyslexia**

Astrocytoma
malignant, with tuberous sclerosis, 2134

Ataxia
hereditary; unspecific neuropathy, 1203

Ataxia telangiectasia
cell death, 1153
chromosome aberrations, 2913
lymphocyte studies, 2931

Attitude
and behavior toward physically handicapped, 1771
career, and self-esteem among boys with and without learning disorders, 507
of community toward MR sampled, 3554
of faculty and advanced students toward MR and mental illness, 1682
of general education teachers toward MR, 624
toward handicapped in school, 1438
of hospital personnel, toward MR, 831
toward mental illness and MR in U.S., 4
toward MR; effect of residential facilities tour, 2693
of MR children toward sex-typed behavior of MR and non-MR peers, 3217
of nursing students toward MR, 834
of parents, teachers, and supervisors toward perceived responsibilities of home and school for education of SMR, 621
of parents, toward handicapped, 2702
of public, toward mainstreaming MR children, 1461
of public, toward MR, 2746, 3500
toward SMR; development of social competence, 3410
of special education personnel toward deviants, 1476, 2585
of teachers and peers; effect on self-concept and status of learning disabled and non-learning disabled, 510
of teachers of EMR and labeling process, 557
of teachers toward handicapped, 3375
toward TMR following mainstreamed recreation program, 2698
of ward attendants toward MR in residential facilities, 833
of western society toward MR, 848

Audiology: *see under* **Hearing disorders**

Audiometry
early infantile autism, 2471

Auditory discrimination: *see under* **Hearing**

Auditory perception
in autistic child; multiple response to sound, 3085
in cerebral palsy; device for measuring, 2924
in learning disabled children, 1290, 1292

Auditory processing: *see under* **Hearing**

Australia antigen
Down's syndrome, 326, 1135, 1150

Autism
and early infantile autism; etiology, 503

Autism, early infantile, 492, 493, 502, 1380, 1381, 1388, 3188, 3189, 3190
age and type of onset as critical variables, 3187
assessment by psychologist, 1389
assessment by teachers, 1604
audiometry, 2471
autistic behavior; multiple pathways, 3183
behavior management, 1390
behavior therapy, 2467, 3433
biological factors, 3095, 3096
case histories of 3 adults, 3206
childhood; adult sociability and avoidance behavior, 505
childhood; communication skills training, 1308
childhood; multiple response to sound, 3085
childhood; teacher's guide to educational model, 612
and childhood psychosis; annotated bibliography, 2463
and childhood schizophrenia, 496
Clancy behavioral scale, 500

clinical, educational, and social aspects, 3202
clinical and electrophysiological research, 2470
clinical description and diagnosis, 3205
coding and the sense modalities, 3130
community and parental care responsibilities, 3508
contingent reinforcement effects on classroom behavior, 2402
day school language development program, 2501
diagnosis, clinical description, and prognosis, 3204
diagnosis and classification, 1394
Diagnostic Checklist for Behavior-Disturbed Children, 3241
drug therapy, 2614
Ealing School (England), 1605
echolalic, 2477
endocrine response to insulin stress, 1395
epidemiology and theories of etiology, 2833
ethological approach to etiology, 504
genetic studies, 2466
intelligence tests, 2485
intrafamilial incidence compared with cerebral palsy and mongolism, 2779
Kanner's characterization, 3203
language, communication, and the use of symbols, 3101, 3129
language conditioning curriculum, 3163
language disorder, 497, 499
language disorders; assessment and teaching, 1392
language studies, 2468
learning set acquisition, 2480
maternal anxiety and difficult pregnancy effects, 3185
medical management, 3435
monozygotic twins, 506
motor, perceptual-motor, and intellectual disabilities, 3201
musical fixation, 3219
negativism in verbal and nonverbal responses, 2478
neurobiochemical research, 2469
operant conditioning for echolalia, 3474
organic etiology of psychopathy, 3094
photic stimulation effects, 2406
pneumoencephalography, 1396
psychiatric hospitals, 3533, 3534
psychological and speech therapy, 3391
psychological test (Evaluation and Prescription for Exceptional Children), 2484
residential facility for adolescents in United Kingdom, 1374
secondary or organic, 3182
self mutilation; structural therapy, 3393
sensory deprivation, 3184
with severe MR; behavior problems and management, 3434
sibling disturbance, 3181
special education, 1391, 1393, 3314
speech therapy, 710, 3392
stimulus overselectivity, 2410
structural therapy, 3180, 3394, 3395, 3413, 3414
symbol vs. speech training effects on behavior, 2609
taxonomic analysis, 3188
teaching cognitive skills underlying language development, 3315
temporal lobe lesions, 2479
transitional object in therapy, 498
and undifferentiated autism; etiology, 503
uptake and efflux of serotonin from platelets, 3093

Autoimmune diseases
Down's syndrome and alopecia areata, 2191

Autonomic dysfunction
vestibular dysfunction, 2319

Autopsy
infant and child death, 846

Autosome abnormalities
older paternal age and autosomal dominant disorders, 1849, 2316

Aversive conditioning: *see under* Behavior therapy

Bacillus anthracis
meningitis, 1895

Bacteremia: *see* Septicemia

Bacterial infections
and hyperbilirubinemia in newborn infant, 980

Bartters disease: *see* Hyperaldosteronism

Basic Movement Performance Profile: *see under* Motor skills

Batten-Spielmeyer-Vogt disease: *see* Amaurotic familial idiocy (juvenile)

Battered child syndrome (*see also* Child abuse), 1005, 1013, 1984
child-rearing practices of parents, 220
chylous ascites, 1981
etiological factors, 221
microcephaly, 1011
premenstrual tension, 1010
Purtscher retinopathy, 1983
relationship with handicapped child, 205
ventricular septal defect, 2001

Behavior
adaptive; changes in group home residents, 3537
adaptive; scales for assessing SMR and PMR, 3235
adaptive, in MR and non-MR public school children, 3209
adaptive, in noninstitutionalized MR adults; factor structure and correlates, 3213
adaptive, of PMR, over time, 3179
Adaptive Behavior Scale, 3234, 3240
affective and cognitive development in Down's syndrome infants, 1375
analysis and learning disorders, 1546
applied analysis in learning disorders, 1362
and attitude toward physically handicapped, 1771
autistic; multiple pathways, 3183
of autistic children; symbol vs. speech training effects, 2609
avoidance, in childhood autism, 505
classroom; children with and without learning disorders, 1333
classroom; neurologic manifestations, 1993
classroom; systematic observation, 3355

concomitants of PMR, 3176
coping, of handicapped child, 3086
disorders; specification for school, 627
disorders; teacher education programs, 568
disruptive, of PMR; daybook analysis, 3207
in early infantile autism; management, 1390
effect of hospital admission in early childhood, 2472
environmental and genetic influences, 501
instruction program for adaptive responses, 586
patterning; consequences of mother-child relations, 3197
problems; classroom observation, 1354
of rats with lead poisoning, 155
rigid, and learning disorders, 518
rocking in MR; sound-induced drive, prior motion restraint, and reduced sensory stimulation effects, 2475
socioeconomic factors in XYY syndrome, 2166
of students with learning disorders correlated with standardized test results, 1336
of teachers, in classes of SMR, TMR, learning disabled, and normal children, 3316

Behavior modification: *see* **Behavior therapy**

Behavior therapy (*see also* **Reinforcement (Psychology)**, **694, 704, 719, 724, 1635, 1643, 1647, 1648, 3415, 3471**
for aggressive and self-injurious behavior of institutionalized MR children, 2617
for autistic children, 3433
aversive conditioning; use in public facilities for the MR, 3439
Columbus State Institute Behavior Modification Program, 3436
in community setting, 3426
control techniques for teachers, 3337
daily living activities, 702
developing responsiveness to instructions in SMR and PMR in residential facilities, 723
differential reinforcement of other behavior, 3465
for dressing behavior of SMR girls, 3450
dyslexia, 1633
early infantile autism, 2467
echolalia, 1642
effects of frustration on performance, 732
electrical pulse generator to control assaultive and self-destructive behavior, 712
encopresis in TMR, 1627
ethical and constitutional issues, 2616
for exceptional children, 542
extinction of head banging in 6-year old, 729
extinction procedures, 1629
family therapy for learning disabled child, 1646
food satiation as procedure to decelerate vomiting, 2622
group toilet training for SMR, 3451
in hospital school for SMR, 3428
in hyperkinesis, 721, 728
increasing social play of SMR preschoolers, 1609
institutionalized SMR and PMR, 1628
laboratory analysis, 3425
language development, 3421
for language training, 703
for learning disabled children, 720, 1544, 3418
management of tongue thrust and drooling, 3472
methodology, 3423
model for training voluntary workers in, 3586
modified systematic desensitization with SMR child, 3444
for mothers of Down's syndrome children, 1147
motor skills, 3420
with MR; staff training program, 3593
MR offenders, 1630
MR residents as paraprofessionals, 2626
and normalization, 3447
operant group therapy for handicapped school children, 2538
parent-school collaboration, 3427
parents as therapists, 3576
partial reinforcement-extinction effect, 3458
for PMR adult, in home setting by nonprofessional, 722
positive reinforcement to decrease repetitive behavior, 3464
positive reinforcers for modification of auditory processing skills, 1353
programmatic test of behavioral technology, 3432
and reduced class size for disturbed moderately and severely MR, 1644
reduction of stereotypes by reinforcement of toy play, 3453
remote-control aversive stimulation in treating head-banging in MR child, 3442
in residential facility, 708, 778, 780
self-monitoring of weight in MR, 3417
self-mutilation, 1650, 1651, 3431, 3454, 3455, 3461, 3466
self-reinforcement and external reinforcement of MR, 3460
severely disturbed child; modifying play behavior, 3406
for severely and profoundly handicapped child, 2624
for severely MR autistic child, 3434
SMR, 3412, 3419
SMR; contingent social reinforcement, 3473
SMR; differential reinforcement, 3389
SMR; institutional implementation, 3411
SMR; nurse training, 3407
SMR and PMR, 711, 3445
social adjustment, 3422
social speech in SMRs, 725
in special education classroom, 2491
speech training techniques; effectiveness, 3457
teachers course, 1547
teaching mealtime skills to MR children, 1637
teaching PMR self-help activities, 3449
timeout schedule effects on aggressive behavior, 715
timeout with staff accountability, 3446
toilet training in the school and its transfer to the living unit, 3390
toilet training PMR, 1634
toilet training program for MR, 3398
toilet training SMR nonverbal child, 3438
token economy; how earnings are spent by MR, 3440
token economy efficacy variables, 1631
token economy for MR; Great Britain, 3408
token economy programs for MR, 2607
token reinforcement effects on responding in MRs, 1638
token reinforcement to facilitate instruction attending behavior of MR, 1592
training preschool children to modify their MR siblings' behavior, 717

visual, auditory, and tactile stimuli as reinforcers in SMR and PMR, 731
for vomiting, 714
for weight loss in SMR, 716, 3452

Bell's palsy: *see* Facial paralysis

Bender Gestalt Test
assessing reading ability of learning disabled children, 1411

Beta-methasone
respiratory distress syndrome, 406

Beta-mimetic drugs: *see under* Propanolamines

Betadine: *see* povidone-iodine *under* Polyvinylpyrrolidone

Bibliography
annotated, of career education materials for EMR students, 1613
annotated, on autism and childhood psychosis, 2463
audiovisual resources for the handicapped, 1437
of bibliographies on MR, 854
career education materials for EMR, 1517
early childhood education for handicapped, 1486
educational toys and games for library serving MR, 1545
materials for handicapped and special education, 2521
on MR, mental disorders, and drug abuse, 874
parent reactions to physically disabled infants, 3568
physical education and recreation for the handicapped, 1733
sex education, 1505
of special education, 2515
vocational training of severely handicapped, 1485

Bicarbonates
sodium, in kwashiorkor, 2036

Bile
in urine, and elevated serum conjugated bilirubin level, 193

Bilirubin (*see also* Hyperbilirubinemia)
agar effect on levels in premature and mature infants, 1954
bile in urine elevated serum conjugated levels, 193
displacement by antibiotics, 1952
estimating unbound concentration in serum, 189
fluorescent dye method for determining serum albumin binding capacity, 186
-induced photodegradation of DNA, 2909
interaction with ganglioside; possible mechanism in kernicterus, 2911
levels after treatment of newborn infant with phenobarbital, 2914
levels and susceptibility to kernicterus, 1946
levels in premature infants; effect of seasonal variation in daylight, 987
phenobarbital induced UDP-glucuronyltransferase activity in mouse fetal liver, 184
serum concentration in newborn infant without blood type sensitization, 2916
serum concentrations in rat; effect of Na benzoate, 187
sulfadimethoxine effect in levels in hyperbilirubinemic rats, 2917
toxicity protection by ligandin for liver mitochondria, 2910

Bill Wilkerson Hearing and Speech Center, Nashville, Tennessee: *see under* Hearing disorders

Biochemistry
Down's syndrome, 2172
dyslexia, 1372
fetus and placenta, 3089

Birth defect surveillance systems: *see under* Epidemiology

Birth injuries
breech birth, 1006, 1976
spinal cord, 1992

Birth weight
alpha-fetoproteins, 31
developmental effects, 2345
influence of prepregnancy weight and pregnancy weight gain, 2344
intravenous fat emulsion effects on lipid metabolism, 2328
levels and susceptibility to kernicterus, 1946
low; added lactose and added sucrose cow's milk formula, 1227
low; adrenal hypoplasia, 2326
low; after abortion, 1832
low; biological and socioeconomic factors, 2342
low; central nervous system function, 1233
low; chromosome studies of premature infants, 2333
low; chymotryptic activity in stool, 2334
low; early discharge of infant from hospital, 2352
low; early growth and development following treatment, 1296
low; esophageal atresia or tracheo-esophageal fistula, 1222
low; hyperglycemia, 279
low; infection, 2336
low; interactions of nutrition and infection, 2335
low; levels of glucose in blood, insulin in plasma, and glucagon response to arginine infusion, 2331
low; maternal hair roots in predicting, 1231
low; maternal nutrition, 390, 391, 1058, 1232, 2039, 2040, 2058, 2337, 2338, 2943
low; neurological investigation of 5-year-olds, 2322
low; physical growth of 5-year-olds, 2325
low; prevention of apnea and bradycardia, 1239
low; retrolental fibroplasia, 2348
low; salicylates in pregnancy, 174
low; supplemental intravenous nutrition effects, 389
low; thermal environment and caloric intake effects on head growth, 1226
low; total parenteral nutrition, 2351
low; volume of feeds for infants, 2347
low, and gestational age; survival and physical growth in infancy and early childhood, 2339
low calorie diet, 399
and psychomotor performance in rural Guatemala, 2340
small-for-gestational-age babies; maternal protein depletion, 1224
thiazide diuretic, 399

very low; gestational age assessment using the Dubowitz scoring system, 881
very low; growth and mineral metabolism, 2330
very low; nasoduodenal versus nasogastric feeding, 1260
very low; spastic diplegia, 245
very low; total parenteral nutrition, 1234
very low; two modes of $NaHCO_3$ treatment of late metabolic acidosis, 2329

Blindness
in MR; community health services, 666
SMR and PMR; effects of training on motor skills, 424

Blood
effects on lecithin/sphingomyelin ratio, 1253
lead levels in children, 183
sampling in newborn infants; medical ethics, 1087

Blood cells
red; folate and macrocytosis during long-term anticonvulsant therapy, 713
red; genetic disorder, 194
red; volume in premature infants with and without respiratory distress syndrome, 2354
transplacental passage, 1960

Blood coagulation
small-for-dates and postmature infants, 1228
studies in umbilical cord blood infants of high-risk pregnancies, 993

Blood gas analysis
Marburg electrode, 402

Blood platelets
collagen-induced aggregation and amino acids, 2098
transient thrombocytopenia in trisomy 18, 1160

Blood pressure
in infant with respiratory distress syndrome, 1266

Blood proteins
insulin secretion, glucose tolerance, and growth hormone relationships in protein-calorie malnutrition, 2046

Blood transfusion
cytomegaloviruses, 1858
exchange; concentrated ACD blood, 1966, 1967
exchange; salicylate method for estimating bilirubin unbound concentration in werum, 189
exchange; thyroid function in erythroblastotic infant, 981
ferritin turnover in plasma, 2912
respiratory distress syndrome, 407

Blood transfusion, intrauterine
fetal and maternal risks, 1973

Blood volume
in infant with respiratory distress syndrome, 1266

Bobble-head doll syndrome: *see under* **Hydrocephalus**

Body image
sensory training and motor skills, 421
severely and profoundly handicapped child, 2397

Bone and bones
Down's syndrome, 2181
generalized abnormalities in Marshall syndrome, 3058
long-term effects of protein-calorie malnutrition, 2031

Bone development
accelerated, with peculiar facies, failure to thrive, respiratory problems, and pulmonary hypertension, 3046
cortical thickness in Klinefelter's syndrome, 1131

Booth-Nadler technique: *see under* **Diagnosis, laboratory**

Brachmann-Cornelia de Lange syndrome: *see under* **Abnormalities, multiple**

Bradycardia: *see under* **Fetal distress**

Brain
anoxia-ischemia lesions associated with serum hyperosmolality, 2360
biochemical correlates of growth, 1285
cerebral ischemia; H^3-catecholamine metabolism, 2364
deficiency of sphingomyelinase in Niemann-Pick disease, 2967
development; biologically based intervention projects, 3132
development; malnutrition, 1045
development in rat; postnatal zinc deficiency effects, 2041
function and motivation; effect on reading disability, 1343
growth; experimental intrauterine retardation in rabbit, 425
growth and zinc deficiency, 2954
human; density of synapses and neurons in normal, SMR, and aging, 93
malformations and generalized myopathy possibly related to enterovirus infection, 2891
proteins; catecholamine binding in mice exposed to malnutrition and infection, 2939
subdural collections; value of brain scanning, 1795

Brain damage, chronic (*see also* **Minimal brain dysfunction**)
assessment and cerebral biopsy in hydrocephalus, 1185
brain DNA synthesis changes following cerebellar damage, 2921
breech birth, 1006
Canter Background Interference Procedure, 227
diagnosis; Slosson Drawing Coordination Test, 203
differentiating from schizophrenia with Schizophrenia-Organicity scale, 520
in infancy; sequelae, 2918
neuroradiology, 1351
New York Longitudinal Study, 229
psychological disorders in handicapped children with and without, 1999

Brain diseases (*see also* **specific disease**), 133
Hallervorden-Spatz syndrome; peroxidation in pathogenesis of pigment and spheroid formation, 2018
Leigh's disease; brain biochemical changes, 2019
Leigh's disease; peripheral neuropathy, 2029

Leigh's disease; (subacute necrotizing encephalopathy), 235
in newborn infant; dynamic/static brain scintigraphy, 26
progressive multifocal leukoencephalopathy after immunosuppressive treatment, 1896
Reye's syndrome, 121, 176, 922, 933, 1910, 2872
Reye's syndrome; anticerebral edema therapy, 1917
Reye's syndrome, associated with influenza type B, 2894
Reye's syndrome; brain ultrastructure, 971
Reye's syndrome; cerebellar intracytoplasmic inclusion bodies, 909
Reye's syndrome; epidemiology, 120
Reye's syndrome; hyperammonemia, 957
Reye's syndrome; hypophosphatemia, 179
Reye's syndrome; mitochondrial enzyme abnormalities in liver, 2930
Reye's syndrome; monitoring and control of intracranial pressure, 2901
Reye's syndrome; ornithine carbamoyltransferase deficiency, 122
Reye's syndrome; pathogenesis, 958
Reye's syndrome; peritoneal dialysis, 978
Reye's syndrome; possible association with virus infections, 909
Reye's syndrome; production of features in rats with 4-pentenoic acid, 2880
Reye's syndrome; short-chain organic acidemia, 1894
Reye's syndrome manifestations, without acidosis and hypoglycemia, 2890
Reye's syndrome, with acute tubular necrosis, 1918
Reye's syndrome, with associated influenza A and B infection, 1921
Siemerling-Creutzfeldt disease, 1038
subacute necrotizing encephalomyelopathy, 2028
subacute necrotizing encephalomyelopathy, autosomal dominant form, resembling spinocerebellar degeneration, 2005
subacute necrotizing encephalomyelopathy; brain biochemical changes, 2019
subacute necrotizing encephalomyelopathy; peripheral neuropathy, 2029
toxic encephalopathy, 2386

Branchiootorenal dysplasia: *see under* **Abnormalities, multiple**

Breech presentation: *see under* **Labor presentation**

British Columbia Health Surveillance Registry: *see under* **Epidemiology**

Bromides
radioactive partition test in meningoencephalitis, 1922

Butyrates
D-B-OH butyrate oxidation by human fetal, 2394

Caffeine
minimal brain dysfunction, 2629
therapy for hyperkinesis, 226

Calcification: *see* **Calcinosis**

Calcinosis
suprarenal, and ketotic hypoglycemia; plasma adrenalin, 2116
tumoral, with Engelmann's disease, 3060

Calcium
abnormal metabolism and epilepsy in institutionalized MR, 2142
metabolism in intrauterine growth disorders, 251
normal serum level in pseudohypoparathyroidism, 2101
supplementation; effects on growth and divalent cations, 2330

Calculi
renal, leukonychia totalis, and multiple sebaceous cysts, 2275

California Arithmetic Test
ability to diagnose learning disorders, 1407

Calorimetry
caloric intake and thermal environment effects on head growth of low birth weight infants, 1226

Camping: *see under* **Recreation**

Campomelic syndrome: *see under* **Dwarfism**

Camptodactyly: *see under* **Abnormalities, multiple**

Canter Background Interference Procedure: *see under* **Psychological tests**

Carbamazepine
overdosage and acute encephalopathy, 2902

Carbamyl phosphate synthetase I: *see under* **Phosphotransferases, ATP**

Carbohydrate metabolism, inborn errors
fructose intolerance, hereditary; induced hyperuricemia compared with that in galactosemic Ss, 2963
Prader-Willi syndrome, 1109

Carbon dioxide
ventilatory response in premature infants, 1242, 2332

Carboxylases
pyruvate decarboxylase activity absence in congenital acidosis, 298

Carcinoma
endometrial, after cyclical estrogen-progestogen for Turner's syndrome, 351

Cardiovascular diseases
left ventricular disease in Ullrich-Noonan syndrome, 2190

Cardiovascular system
fitness measures for normal and EMR children, 432
valvular dysfunction in children with ventriculovenous shunts, 1216

Career mobility
education for handicapped, 2587

Carnitine
deficiency syndrome, 2105
hereditary muscle deficiency, 2090

Carolina Infant Curriculum: *see under* **Education, special**

Carpel tunnel syndrome
with mucolipidosis III (pseudo-Hurler polydystrophy), 2097

Carrier proteins
ligandin; protection of liver mitochondria against bilirubin toxicity, 2910

Cat-eye syndrome: *see under* **Chromosome abnormalities**

Cataract
bilateral, after parenteral hyperalimentation, 2879
Kayser-Fleischer ring in hepatolenticular degeneration, 269

Catecholamines
brain metabolism in cerebral ischemia, 2364
brain, of rats with lead poisoning, 155
brain protein binding in mice exposed to malnutrition and infection, 2939
excretion levels in neuroblastoma, 1035

Catheterization
indwelling radial artery, in newborn infant, 40
umbilical artery; reduced thrombus formation, 1262

Celiac disease
and retinoblastoma in Down's syndrome, 1164

Cells
cycle, and chromosome abnormalities, 2211
death, in ataxia telangiectasia, 1153
genetic and multiple abnormalities; programmed changes in surfaces (animal model), 2318

Central nervous system
congenital malformation produced by narcotic analgesics in hamster, 1913
defects; prenatal diagnosis, 2808
early experience and plasticity, 3087
findings in monkey undergoing partial asphyxia *in utero*, 2373
viral disease, 944

Central nervous system diseases (*see also* **specific disease**)
infections followed by viral antibodies in cerebrospinal fluid, 910
Tamiami virus induced; neonatal thymectomy effect, 1898

Cephalometry
sonar, for measuring fetal head growth, 1229

Ceramide trihexosidase: *see under* **Galactosidases**

Cerebellar ataxia
hypogonadotropic hypogonadism, 2302
and occult neuroblastoma without opsoclonus, 1032

Cerebellar-vestibular dysfunction: *see under* **Learning disorders**

Cerebellum
calcification in tuberous sclerosis, 1028

Cerebral cortex
dendrites; morphological development, 3088

Cerebral dysfunction: *see* **Minimal brain dysfunction**

Cerebral palsy, 234, 243
advising parents of afflicted child, 2928
care of child at school, 2023
communication device for nonvocal child, 545
after delayed spontaneous respiration in breech infants, 1037
device to study auditory perception of neurologically impaired infants, 2924
diurnal temperature cycles and cognitive performance of children, 481
equinus correction by Murphy procedure of tendo calcaneus advancement, 2925
familial, with defective thymus dependent immunity, 2010
family life, 238
hip abnormalities, 239
intrafamilial incidence compared with autism and mongolism, 2779
locomotor prognosis, 241
mechanical efficiency of young adults in bicycle ergometer work, 2017
motor skills, 417
motor skills; physical therapy, 242
nurse-therapist-teacher, 1766
physical therapy, 2621
Pictorial Test of Intelligence; assessment in children, 3231
in preschool child; parental needs, 2927
rectus femoris release, 244
sodium dantrolene, 2021
spastic diplegia; equilibrium reactions in feet, 2022
spinal cord tumor mistaken for, 2926
stereotaxic neurosurgery, 1036, 2006, 2016
in Sweden, 2024, 2025
very low birth weight and spastic diplegia, 245

Cerebral sclerosis, diffuse
adrenoleukodystrophy, 1031, 1081

Cerebro-costo-mandibular syndrome: *see* **Pierre Robin syndrome**

Cerebro-facio-thoracic dysplasia: *see under* **Abnormalities, multiple**

Cerebrospinal fluid
abnormal fluid-blood flow dynamics in normal-pressure hydrocephalus, 1180
abnormality in mumps meningoencephalitis, 118
amino acid concentration in meningitis and encephalitis, 913
dynamics in normal pressure hydrocephalus, 413
fetal; albumin, alpha-fetoprotein, and IgG levels, 863
lactic acid; gas-liquid chromatographic analysis in meningitis, 1861
lactic acid dehydrogenase activity in bacterial meningitis, 1927
limulus lysate assay for haemophilus meningitis, 150
presence of viral antibodies following CNS infections, 910

of rabbit with herpesvirus hominis encephalitis; thymidine kinase activity, 2881
scanning to determine pathophysiology in achondroplasia, 3062

Cerebrovascular disorders
in hereditary hemorrhagic telangiectasia, 375

Ceroid lipofuscinosis: *see under* Amaurotic familial idiocy

Cervix uteri
carcinogenesis and herpes simplex virus, type 2, 149
neoplasms; antibodies to herpesvirus hominis types 1 and 2, 2896

Cesarean section
respiratory distress syndrome prevention, 404

Chest: *see* Thorax

Child
with aplastic anemia; treatment, 992
at-risk; present and future intervention strategies, 2834
attractiveness; effects on teacher judgment, 1462
autistic; adult sociability and avoidance behavior, 505
autistic; age and type of onset as critical variables, 3187
autistic; multiple response to sound, 3085
autistic; teacher's guide to educational model, 612
bacterial meningitis, 166
behavior; effect of parental contact positive, 1384
behaviorally abnormal; diagnosis and treatment of chronic pain, 3084
black; physical and intellectual development in sickle-cell anemia, 997
blood lead levels, 183
brain-damaged, entitled to education, 2784
cardiovascular fitness measures for normal and MR, 432
cerebral-palsied; Pictorial Test of Intelligence, 3231
with cerebral palsy; diurnal temperature cycles and cognitive performance, 481
"Chinese restaurant syndrome" and monosodium glutamate, 116
cognitive effects of pyrithioxin, 3399
congenital aneurysm of left posterior inferior cerebellar artery, 2136
coxsackie virus infections and aseptic meningitis, 1938
coxsackie virus myocarditis, 159
death; autopsy, 846
delayed appearance or absence of speech, 474
diagnosis of psychosis; followup study, 3228
early infantile autism; taxonomic analysis, 3188
early intervention with high-risk; conference, 1626
emotionally disturbed; teaching strategies, 3256
emotionally disturbed, EMR, and normal; self-concept, 494
EMR; anticipation game for teachers to increase understanding, 628
EMR; speech development, 1307
epileptic; motor handicap and prognosis, 316
with febrile convulsions; treatment policy, 1111
genetically handicapped; social and ethical problems in caring for, 2741
haloperidol effects, 727
handicapped; coping behavior, 3086
handicapped; dynamometric grip strength, 2398
handicapped; early intervention, 3429
handicapped; education legislation, 2632
handicapped; family adaptation, 2708
handicapped; identification, 3373
handicapped; information service for parents, 804
handicapped; inpatient developmental program, 3468
handicapped; mainstreaming, 3248, 3250, 3253
handicapped; operant group therapy in school, 2538
handicapped; parents as resource in diagnosis and assessment, 3578
handicapped; physicians and parents, 3595
handicapped; research on family, 2709
handicapped; social adjustment, 3186
handicapped; special education technical assistance systems, 2508
handicapped; teaching strategies, 3257
handicapped and nonhandicapped; preschool at home education, 2502
handicapped preschool; early intervention model, 3258
health and nutrition in a northern Swedish county, 2064
with hearing disorder; early intervention, 3430
hearing impaired; mainstreaming, 3251
hearing impaired; teaching in the regular classroom, 541
high-risk; current and future special education needs, 3331
high-risk; early intervention, 2837, 3330
high-risk; early intervention programs, Latin America, 2836
high-risk; early intervention strategies, 2838
high-risk; language development, 3128
high-risk; language teaching, 3325
high-risk; process-oriented research in prevention and intervention, 2839
high-risk; screening, assessment, and intervention, 2790
hydrocephalic; language development, 2306
hyperkinetic; suspension of drug treatment, 2919
hyperkinetic; minimal brain dysfunction, 215
hyperkinetic; stimulation effects on activity and task performance, 233
kindergarten; preventive mental health program, 1341
with kwashiorkor; leukocyte function and nitroblue tetrazolium reduction, 1050
with kwashiorkor; serum lipids and lipoproteins, 2034
lead poisoning; diet, 972
lead poisoning; management, 948
with learning and behavioral disorders; specifications for school, 627
learning disabled; academic learning theory, 3273
learning disabled; behaviorally oriented programs, 1544
learning disabled; counseling by parents, 818
learning disabled; diagnosis and prescription, 1305
learning disabled; DISTAR teaching program, 3276
learning disabled; educational identification, assessment, and evaluation, 3274
learning disabled; effect of creative dramatics, 476
learning disabled; mainstreaming, 3255
learning disabled; nonverbal visual short-term memory, 3173
learning disabled; parent involvement, 3279
learning disabled; prekindergarten teaching program, 2503

learning disabled; program for parents, 480
learning disabled; self-concept and academic achievement, 3372
learning disabled; short-term memory, 2412
learning disabled; systematic instruction, 3277
learning disabled; teacher-consultant model, 3244, 3245
learning disabled; teaching, 3270, 3271, 3278
learning disabled; teaching creative writing, 543
live attenuated influenza virus vaccine trial, 955
malnourished; weight and height as criteria, 259
methylphenidate effects, 727
minimal brain dysfunction; role of nurse specialist, 3591
minimal brain dysfunction and language/learning disorders; relationship between self-concept and achievement, sex, age, and IQ, 630
MR; art projects, 790, 791, 792, 793, 794, 795, 796
MR; attitudes toward sex-typed behavior of MR and non-MR peers, 3217
MR; care provided by adult residential facility patients, 830
MR; cooperation during dentistry, 1641
MR; perceptual- and gross-motor ability, 1299
MR; self-concept, 1401
neuropathy with lead poisoning and sickle cell anemia, 112
nontreatment of blood lead levels in lead poisoning, 952
normal 6-year-old and EMR adolescents; discrimination learning, 479
nutritional status, 3092
organic neurologic disease presenting as psychiatric disorder, 860
organizational abilities and comprehension of connected discourse in EMR and normal, 484
phenylketonuric; problems, 2981
physical examination, 2805
physical growth after fetal malnutrition, 1054
preschool; mass screening for handicaps, 1818
preschool; as modifier of MR siblings behavior, 717
preschool; screening for language disorders, 1368
preschool; Slosson Intelligence Test for identification of MR, 527
preschool handicapped; play learning centers, 1731
preschool handicapped; special education, 3329
preschool special education; resource guide for teachers, 2514
preschool, with cerebral palsy; parental needs, 2927
with protein calorie malnutrition; fatal infections and thymolymphatic atrophy, 1049
with protein calorie malnutrition; jejunal organisms and diarrhea, 1047
with protein calorie malnutrition; secretory and serum IgA, 248
with protein calorie malnutrition; serum complement and immunoconglutinin levels, 1051
psychotic and schizophrenic; computer analysis of electroencephalogram, 3229
as research subject; medical ethics, 12
school dossiers, 593
severely and profoundly handicapped; advocacy, 2662
severely and profoundly handicapped; behavior therapy, 2624
severely and profoundly handicapped; body image, 2397
severely and profoundly handicapped; community adjustment, 2664
severely and profoundly handicapped; experience with objects, 2415
severely and profoundly handicapped; family, 2712
severely and profoundly handicapped; integration into community, 2663
severely and profoundly handicapped; language developemnt, 2574
severely and profoundly handicapped; movement in space, 2569
severely and profoundly handicapped; sense training, 2566, 2567, 2568
severely and profoundly handicapped; socialization, play, and use of free time, 2697
severely and profoundly handicapped; special education, 2561, 2562, 2564, 2570, 2571
severely and profoundly handicapped; speech training and oral language, 2575
severely and profoundly handicapped; tactile stimulation, 2565
severely and profoundly handicapped; teaching communication, 2573
severely and profoundly handicapped; teaching self-care skills, 2572
severely disturbed; modifying play behavior, 3406
skull fracture followed by leptomeningeal cyst, 1980
slow-learning; relational meaning and facilitation of language, 2450
slow reader; Z-score discrepancy method for identifying, 1408
spatially competent, with learning disorders, 1326
with speech disorders; mainstreaming, 3254
with spina bifida attending ordinary school, 2320
with spina bifida educational placement, 2516
survival and physical growth of low birth weight infant, 2339
TMR; effect of teacher type and instructional time on motor skills, 429
thyroid disease; thyrotropin measurement, 1091, 1092
tuberculous meningitis, 101
visually handicapped; influence of pyrithioxine on memory, reaction time, abstraction ability, and classroom interest, 2611
visually impaired; mainstreaming, 3252

Child abuse (*see also* Battered child syndrome), 230, 1001, 1007, 1008, 1009, 1012, 1015, 1025, 1026, 2002
acute post-traumatic subdural hematomas, 1994
battered child syndrome and MR, 1989
educational and psychological problems of children, 2465
parent therapy, 1000
Parents Anonymous, 998
prevention; assessing maternal attachment, 1977
protective services training project, 231
public health nurses, 3598
in U.S. Army-Europe, 224

Child development
delayed; preschool education, 1429
delayed; self-concept, 1376
delayed preschooler; cognitive and language development, 1328
development/educational treatment paradigm, 3396
early stimulation programs, 2455
help from parents, 3580

of intelligence; significance of "why" questions, 3170
isolation syndrome, 3192
longitudinal research, 3127
maternal depression, 443
pediatric training for future programs, 3590
sequelae of fetal anoxia in 4-year-old survivors, 1366
socioeconomic factors; Juvenile Protective Association of Chicago, Illinois, 1833
trends in behavioral research, 3200

Child, exceptional
behavior modification, 542
development research 1320
developmental comparison of fears, 3221
due process procedures in Idaho, 1448
educational diagnosis in Massachusetts, 1443
instructional materials, 611
programs in North Carolina, 1449
special education programs in Idaho, 1450
special education teacher training, 1436
video letters, 642

Child, institutionalized
MR; adaptive behavior, 3155

Child, preschool
language-delayed; training strategy, 3370

Child rearing
in cerebral palsy; advice parents need, 2928

Chinese-restaurant syndrome: *see under* **Sodium glutamate**

Chloral hydrate
biochemical effects, in an infant with tyrosinemia, 2959

Chloramphenicol
in *Bacteroides fragilis* septicemia and meningitis, 928

Chlordiazepoxide
during pregnancy; teratogenic effects, 1855

Cholestasis
intrahepatic, of pregnancy; amino acid composition of amniotic fluid, 32

Cholestyramine
in Crigler-Najjar syndrome, 983

Choline
incorporation pathway as mechanism for *de novo* synthesis in fetal primate lung, 3079

Chromatography, gas
phenylalanine determination in serum, 305

Chromosome aberrations
ataxia telangiectasia, 2913
in balanced 13/14 Robertsonian translocation, 2997
in a child with 48,XXY,+21,t(6;10)(p22-24;p12), 3033
de novo (11;13) translocation, 3001
del(10)p autosomal deletion syndrome, 3036
in Down's syndrome and MR of unknown etiology compared with normals, 2185
familial 1 translocation and fetal loss, 2231
familial translocation, 2201
familial translocation wtih distinctive phenotype due to effective trisomy (9p), 2220
new syndromes, 3021
partial 9 trisomy by 3:1 segregation of balanced maternal translocation (7q+;9q-), 2195
partial monosomy 13, 2998
quantitative data obtained by computer analysis, 2209
ring 17 chromosome detected by amniocentesis, 3034
ring chromosome 4; derivative chromosomal structures, 3002
terminal (1)(q43) long-arm deletion of #1, 3010
translocation, inherited; 9p trisomy syndrome, 2222
translocation 4p-syndrome, 2246
X-autosome translocations; differential inactivation of X chromosome in kindred with X-9 translocation, 2146
X-autosome translocation with 47,XXYqs,t(9p-;Xq+) karyotype, 2214
X-ray and ultraviolet light induced, in leukocytes from Down's syndrome patients, 3037
B/C translocation with nephroblastoma, 2207
D/D translocation in Klinefelter's syndrome, 2197
D/E translocation, 2243
4; long arm deletion, 2157
4p-phenotype with t(4p-;19p or q+)mat translocation, 2245
4/21; familial translocation, 2161
+6,XY,t(9;10) translocation and 9q deletion with ambiguous genitalia and MR, 3016
9p-deletion syndrome, 2230
9p- syndrome, 3014
9pter→p22 deletion syndrome, 3013
12/19 translocation, 2156
15/16 translocation; 16q trisomy, 2217
18q- syndrome, 3028
19/20 translocation identified by G-, Q-, and C—banding, 2216
46,XX,10q; insertional translocation, 2999
t(4p21p;4q21q) in mother, with trisomy of short arms of chromosome 4, 2186

Chromosome abnormalities (*see also* **Aneuploidy; Chromosome aberrations; Mosaicism; Sex chromosome abnormalities; Trisomy; and specific syndrome**) 1775
asymmetrical, reciprocal translocation (9, 17), 320
in cases of multiple abnormalities and MR, 3003
cat-eye syndrome, 2996
cell cycle, 2211
chest circumference and hand measurements, 2205
computerized registry, 1151, 2797
del(10)p, 2221
Down's syndrome, 2233
dysgenesis in 46XY female, 3030
epidemiology, 3027
fetal wastage; balanced translocation, 327
fetal wastage; couples with history, 340
girl with karyotype 46,XX,del(7)(qter→p15:), 2150
irregular phenotypic expression of ring, 2244
in malnutrition, 3022
in maternal and fetal tissues of magnesium or zinc deficient rats, 2033
new recognizable syndrome, 2224
new syndrome (partial deletion of long arm of number 11), 330, 332
origin of a small metacentric chromosome, 2235

Patau's syndrome, 3029
premature condensation in Fanconi's anemia, 1950
in premature low birth weight infants, 2333
with protein-calorie malnutrition, 253
radiography, 1137
reciprocal translocations; 3:1 meiotic disjunction, 1115
ring 6, in malformed boy, 2236
ring 6, with MR, 1156
ring 13, 1155
ring 22 in PMR, 321
ring Y without mosaicism, 3006
sex-linked optic atrophy with neurologic manifestations, 1118
spontaneous abortion, 2203
structural X-chromosome in female with gonadal dysgenesis, 2148
trypsin-Giemsa banding technique, 1172
Turner-mongolism polysyndrome, 331
Ullrich-Noonan syndrome, Turner phenotype; echocardiographic studies of left ventricular disease, 2190
D/D translocation t(13q;14q); familial, 1159
E-trisomy with 11 pairs of ribs, 1136
F/G translocation [t(20p-;22q+)] familial, 1158
XYY genotype; mass screening, 2994, 2995
XYY karyotype, 2993
1qh+chromosome; Giemsa banding and linkage analysis, 1116
6; long-arm-deletion in MR boy, 1171
10; deletion of the short arm, 1119
11q deletion, 3009
12p; partial deletion, 1121
46,XX,t(1;15) karyotype, 1141
47XX,21+/46,XX, with juvenile diabetes and liver cirrhosis, 1149
47,XXY; development of dystrophia myotonica, 2180
49,XXXXY and congenital heart disease, 1124

Chromosomes
banding mechanisms, 2226
examination of newborn children; purposes and ethical aspects, 1782
3; gene assignment for galactose-1-phosphate-uridyltransferase, 353
length of Y and activity in boys, 3026
peyote effect, 2239, 2241
polymorphism and prenatal diagnosis, 28
registers, 1843
semiautomation of preparations, 2210
structural aberrations and reproductive fitness in man, 1138, 1139
usefulness of catalog in delineating new syndromes, 3004
X loss in human ovary in aging, 67

Chylous ascites: *see under* Ascites

Chymotrypsin
activity in stool of low birth weight infants, 2334

CIP: *see under* Mass screening

Citizen advocacy
coordinator's guide, 1685
trainer's manual, 1676

Citrobacter diversus: *see under* Escherichia

Citrullinemia: *see under* Metabolism, inborn errors

Civil rights, 750, 751
data bases and privacy rights of MR, 2763
due process, 757
due process procedures in Idaho for exceptional children, 1448
educational rights of the handicapped; due process guidelines, 1418
habilitation rights, 755, 756
of the handicapped, 1569
least restrictive alternative, 758
legal rights handbook for handicapped, 2722
of MR, 2773, 2781
of MR; legal representation, 2772
of MR in criminal process, 2771
of MR in residential facilities, 3556
of MR in the community, 3516
special education for handicapped, 2522
voting practices of MR, 1681

Clancy behavioral scale: *see under* Autism, early infantile

Cleidocranial dysostosis, 2303
autosomal recessive form, 1184

Clergy
role in MR, 2716

Clinical Interview Schedule: *see under* Psychiatric status rating scales

Clomiphene
abnormalities, 1213, 2256

Clone cells (*see also* Eugenics)
reproduction; biological consequences, 3477
reproduction; medical ethics, 2810

Coffin-Lowry syndrome: *see under* Abnormalities, multiple

Cognition
and academic achievement in EMR, 3139
and affective development in Down's syndrome infants, 1375
chronological age and mental age effects on understanding of rules of logic, 2446
cognitive instruction, 3123
cognitive tempo and memory aid effects on conjunctive concept attainment in EMR, 1337
communications model, 433
concept attainment skills related to language, short-term memory, outer directedness, intelligence, and hypothesis testing, 1331
development and protein-calorie malnutrition, 2940
development in developmentally delayed preschoolers, 1328
development in EMR, 1321
development in MR, 2413, 3154, 3157
development of, and protein-calorie malnutrition; the Orissa study, 2942
diurnal temperature cycles and performance of children with cerebral palsy, 481
learning and cerebral dominance, 458
and moral development in MR, 1378
-motivation interrelationships in infancy, 3166

number concept and arithmetical performance in congenitally blind, normal, and MR children, 1311
processes involved in piano study by learning disabled child, 1309
processing in EMR; pupillary dilation, 2411
pyrithioxin effects, 3399
spatial learning, 453
special education diagnostic paradigm, 2509
teaching skills underlying language development to autistic children, 3315

Cognitive instruction: *see under* Cognition

Colchester Survey: *see under* Epidemiology

Collagen
-induced blood platelet aggregation and amino acids, 2098

Color perception
in Down's syndrome, 1170

Columbus State Institute Behavior Modification Program: *see under* Behavior therapy

Committee on Prevention of Fetal and Perinatal Disease: *see under* Preventive medicine

Communication
abnormal verbal and nonverbal expression in early childhood autism, 3129
in autistic children, 3101
course for parents of developmentally disabled, 1739, 1740, 1741
disorders; art therapy, 1300
in MR; early behavior, 3107
in MR adolescents; language skills, 2399
in MR adolescents; response to listener feedback, 2451
nonverbal, in PMR, 3175
skills development in learning disorders practitioners, 3583
skills training for autistic children, 1308
training for MR, 2430

Community health services, 770, 2631
for aged MR; service trends, 3496
for autistic children, 3508
Child Awareness Program (Syracuse, New York), 2651
Community Development Committee, conference on early intervention with high-risk infants and young children, 3502
Comprehensive Developmental Health Services, 3507
developmental disabilities, 2665, 2666
developmental disabilities councils; characteristics of members, 1684
for developmentally disabled adults; senior advocacy program, 3497
Down's Syndrome programs, University of Washington, 3506
Eastern Nebraska Community Office of Retardation (ENCOR), 3530
effective health care workers, 3597
family help unit for developmental disabilities, 3518
guidelines for handicapped children, 2492
for handicapped, 2656
for handicapped children in Baltimore, 2652
Infant, Toddler, and Preschool Research and Intervention Project, 3505
Meeting Street School Parent Programs for Developmental Management, 3503
for MR, 1679, 1680
for MR; development in New South Wales, 3501
for MR; in England, 3493
to MR; longitudinal assessment, 3514
for MR; in Nebraska, 3510
National Collaborative Infant Project, 3504
preadmission social service program to encourage home care for SMR and PMR, 3456
quality control, 72
respite care program for MR or physically handicapped, 3495
Senior Center, Inc., services for MR in community, 1758
for severely and profoundly handicapped preschool child, 3511
state model, 1683
survey of handicapped in Howard County, Maryland, 1677
volunteer program for severely handicapped, 3519

Community Living Skill-Rating Scale: *see under* Residential facilities

Community mental health services, 767

Comprehensive Developmental Health Services: *see under* Community health services

Computer assisted instruction
for handicapped children, 578
inservice teacher training, 1600
training teachers of the handicapped, 1471

Computers
chromosome abnormality registry system, 2797
controlled program for stimulating language behavior, 3162
data bases and privacy rights of MR, 2763
electroencephalogram analysis of psychotic and schizophrenic children, 3229
fetal heart rate patterns assessed, 87
genetic registers, 1835, 1836, 1839, 1840, 1841, 1842
genetic registers; computing problems, 1834
genetic registers; content and classification of information, 1845
genetic registers; record linkage, 1844
mental deficiency statistical data system in Western Australia, 2796
monitoring of fetal heart rate and uterine pressure, 884
quantitative data obtained on chromosome aberrations, 2209
registry of abnormal karyotypes, 1151
statistical data on mental deficiency; Western Australia, 2795

Conditioning, eyelid
and electrodermal response conditioning; trace-delay conditioning studies, 3115
stimulus-trace differences between normal adults and MR, 3116

Conditioning (Psychology)
avoidance; prenatal zinc deficiency effects on adult rat, 2042

conditioned response inhibition in MRs, 2407
operant, for echolalia in autistic child, 3474
stimulus trace deficit in MR, 3113
stimulus trace differences between normals and MRs; stimulus trace decay, 3114
trace deficit of SMRs, 1315

Congenital generalized lipodystrophy: *see under* **Lipid metabolism, inborn errors**

Congenital malformations: *see* **Abnormalities, multiple, and specific syndrome**

Conradi-Hunermann chondrodysplasia punctata: *see under* **Abnormalities, multiple**

Contingency contracting techniques: *see under* **Education of mentally retarded**

Continuous positive airway pressure: *see under* **Technology, medical**

Contraction stress test: *see under* **Prenatal diagnosis**

Controlled Environmental Laboratory Evaluation: *see under* **Sheltered workshops**

Convulsions
febrile; treatment policy for children, 1111
and the immature brain in enterovirus infections, 2139
in newborn infant; plasma concentrations of phenobarbital, 2140

Coopersmith Self Esteem Inventory: *see under* **Self concept**

Copper
Menkes' kinky-hair syndrome, 288, 293, 310, 1083
Wilson's disease; hepatic levels, 271

Cornea
Peters anomaly with pulmonary hypoplasia, 3017

Cornelia de Lange syndrome: *see under* **Abnormalities, multiple**

Correctional institutions: *see* **Prisons**

Corticoids: *see* **Adrenal cortex hormones**

Cortisol: *see* **Hydrocortisone**

Cot death: *see* **Sudden infant death**

Cotrimoxazole: *see under* **Drug therapy**

Coumadin: *see* **Warfarin**

Counseling
education of MR, 2537
groups for parents of MR; participant evaluations, 3463
by parents of children with learning disorders, 818
parents of handicapped, 1755
parents of MR, 820, 3600
in vocational rehabilitation, 681

Coxsackie virus infections
acute hemiplegia of childhood, 1904
and aseptic meningitis in newborn infants and children, 1938
muscular diseases, 175
myocarditis in child, 159
B, and benign neonatal arrhythmias, 1935
B; association with hand, foot, and mouth disease, 131
B5; meningoencephalitis epidemic, 132

Crafts: *see under* **Recreation**

Craniofacial defects: *see under* **Abnormalities, multiple**

Craniofacial dysostosis, 3031

Craniostenosis-syndactylism syndrome: *see under* **Abnormalities, multiple**

Craniosynostosis
dwarfism, retinitis pigmentosa, and multiple congenital malformations, 2289

Cranium: *see* **Skull**

Creatinine
assessing fetal maturity, 1807, 1829
concentration in fetal maturity assessment, 71
/estrogen ratio as index of fetal welfare, 82

Creativeness
teaching to MR children, 3366

Cretinism
mass screening, 34

Creutzfeldt-Jakob disease
epidemiology in England and Wales, 109
immunological response, 105
nuclear bodies, 2013
transmitted from man to guinea pig, 104

Crigler-Najjar syndrome: *see under* **Hyperbilirubinemia, neonatal**

Crime
and MR, 1689

Crouzon's disease: *see* **Craniofacial dysostosis**

Crying
in newborn infant; clinical analysis, 25

Cryptococcal meningoencephalitis: *see under* **Meningoencephalitis**

Cryptorchidism: *see* **Cryptorchism**

Cryptorchism, 356
chorionic gonadotropins, 1166, 1167, 1168, 1169
familial; genetic involvement, 1163

Cutis laxa
X-linked, due to deficiency of lysyl oxidase, 3057

Cystathioninuria: *see under* **Metabolism, inborn errors**

Cystine
deficiency in homocystinuria, 2112

Cystinosis
biochemical diagnosis using leukocytes, 2078

Cystinuria
with phenylketonuria, 2962

Cysts
leptomeningeal, following skull fracture in young children, 1980
multiple sebaceous cysts, leukonychia totalis, and renal calculi, 2275

Cytarabine
in herpes simplex encephalitis, 129, 937, 1856, 1899, 1914

Cytogenetics
environment, and multiple abnormalities, 3019

Cytology
Down's syndrome, 2175

Cytomegalic inclusion disease
tibia and femur changes, 927

Cytomegaloviruses, 170
blood transfusion, 1858
congenital; hemiatrophy and hemiparesis, 1875
endometritis and spontaneous abortion, 119
infection in infant after maternal renal transplantation, 178
in mice; enhancement during host-virus-graft reaction, 169
mononucleosis in newborn infant, 931
pneumonia in sudden infant death syndrome, 146
prevalence in a neonatal population, 137
transplanted kidney as source of infection, 1903
vaccine, 965

Cytosine arabinoside: *see* Cytarabine

Dandy-Walker anomaly: *see under* Hydrocephalus

Day care
centers for MR adults, 768, 2653

Deafness
congenital, and Hirschsprung's disease, 1176
with dementia, in 8-year-old boy, 236
nerve, with myopathy, chronic lactic acidemia and growth failure, 281
onychodystrophy, osteodystrophy, and MR, 3039
otodental dysplasia, 2281
speech training and oral language, 2575
and vitiligo, 3059

Deinstitutionalization, 2688, 3538, 3544
backlash in residential facilities, 3544
IQ as factor in community lifestyle of previously institutionalized MR, 3515
in Maine, 2674
West Virginia model, 2690

Delivery of health care
developmental disabilities, 829, 2658, 2659, 2660
to developmentally disabled of New Jersey, 1693, 1694
Early and Periodic Screening, Diagnosis and Treatment, 773, 2644, 2648, 2856
Early Child Intervention Center, 2855
early intervention with high-risk infants and children; conference, 1626
framework for decision making, 762
genetic counseling clinics, 1803
to handicapped, 2618, 2657
to high-risk infants and their parents, 1789
home visiting intervention for low income children in Jamaica, 2628
infant development center, 1632
to MR, 696, 697, 698, 699, 2633, 2636, 2660
to MR, in Dade County, Florida, 3499
to MR, in Norway, 3336
to MR, in Texas, 2668
to MR, in United Kingdom, 1763
to MR; President's Panel recommendations, 1658
prenatal care; Committee on Perinatal Health report, 1812
for prevention of MR, in Virginia, 1850
rural perinatology, 1695
to severely handicapped in rural areas, 2661
state Developmental Disabilities Councils; trend analysis, 765

Dementia, presenile
Alzheimer's disease, 2013
amyotrophic lateral sclerosis, 1204
with Down's syndrome; electrophysiology and histopathology, 1122

Dendrites
cerebral cortex; morphological development, 3088

Denial (psychology)
parental, and management of SMR, 816

Dentistry, 700
cooperation of MR child during, 1641
for handicapped, 3397

Denver Developmental Screening Test: *see under* Learning disorders

Depression
maternal, and child development, 443

Dermatoglyphics
dermal ridge development in fetus, 1784
in diagnosis of trisomy 21 mosaicism, 3038
Down's syndrome, 1129
with multiple abnormalities, 24
in neurological diagnosis, 2807
in Prader-Willi syndrome, 355
trisomy 21 compared with normal subjects, 869

Developmental disabilities, 2, 3, 2417, 2418, 2420
in adolescence, 2424, 2473
adults eligible for work experience programs in New Jersey, 1612
California programs, 2641, 2643
cognitive and language development in preschoolers, 1328

communication course for parents, 1739, 1740, 1741
community health services, 2665, 2666
councils; characteristics of members, 1684
delivery of health care, 829, 2658, 2659, 2660
detection and evaluation, 2422
diet; physical, psychological, and socioeconomic correlations, 2057
Early and Periodic Screening, Diagnosis and Treatment, 2856
early management, 2602, 2854
educating the public, 2655
education, recreation, and vocational training, 1772
elementary school, 2423
environmental adaptation programs, 2673
family help unit, 3518
goal planning, 1756, 1757
identification and management guide for nurses, 2608
intercepting socioeconomic factors, 2853
interdisciplinary clinics, 3459
legislation, 2639
life skills project, 2694, 2695, 2696
mass screening, 2419, 2806
New Jersey programs, 1674
nutrition, 2945
nutrition and prevention, 2857, 2858
payment rates in California residential facilities, 2679, 2680, 2681, 2682
peer support program for parents, 2703
physicians, 828
prenatal care, 3581
preschool education, 1429
prevention, 1837, 1838, 2860, 2861
prevention; legislation, 2637
prevention; parents and delivery of health care, 2704
prevention; values clarification, 2852
prevention and intervention, 1792, 1793
among prisoners; needs and problems, 836
program planning, 2635
program planning in Connecticut, 2669
psychologic and social implications, 1774
psychology, 826
public programs, 2638
recreational ice skating, 1729
reference guide for health care professionals, 2803
residential facilities, 1715
residential facilities in California, 2678, 2683, 2684, 2685, 2686, 2687
right to education; court cases, 2555
screening questionnaires, 2804
screening tools, 2802
senior advocacy program for adults, 3497
Services and Facilities Construction Act of 1970; implementation in West Virginia, 2642
special education; school placement, 2554
state plan; Maine, 2654
state planning and advisory council, 1655
statistical data, 837
Tennessee agencies and services, 2667
university-affiliated facilities, 3523
vocational education program survey, 1439
vocational rehabilitation services in New Jersey, 2594, 2596, 2597, 2598, 2600

Dexamethasone
for lung surfactant acceleration and lecithin stimulation in fetal lamb, 1255

Dextran
effects on glycosaminoglycan excretion in mucopolysaccharidosis 3, 300

Dextroamphetamine
effect on audiometric EEG analysis of children with minimal brain dysfunction, 1020

Diabetes mellitus
chemical, in Prader-Willi syndrome, 1109
insulin-dependent mothers and neonatal hypoglycemia, 1078

Diabetes mellitus, juvenile
liver cirrhosis, and 47XX,21+/46,XX chromosome pattern, 1149

Diagnosis
neurological; stigmata, dental defects, and dermatoglyphics, 2807
of pneumothorax and pneumomediastinum in newborn infants by transillumination, 1246
risk scoring system for infant at risk, 2791

Diagnosis, laboratory (*see also* **Mass screening, and individual technique**)
amniotic fluid; total protein estimation, 21
anencephalus and spina bifida; amniotic fluid macrophage content, 2252
aspartylglucosaminuria, 276
bile in urine and elevated serum conjugated bilirubin levels, 193
biochemical tests for neurological disorders, 2794
Booth-Nadler technique for Hunter's syndrome, 1063
cerebral biopsy and brain damage assessment in hydrocephalus, 1185
chronic perinatal infections, 2906
congenital hypothyroidism, 289
of congenital hypothyroidism and skeletal development disorders, 858
detecting heterozygotes for phenylketonuria, 2079
foam test and fat cell count in well-nourished and malnourished fetuses, 33
glucosephosphate dehydrogenase deficiency, 2984
of herpes encephalitis; immunoperoxidase, 941
I rose bengal liver scanning in neonatal jaundice, 1969
Lesch-Nyhan syndrome; carrier state, 1105
lysosomal storage disorders; ultrastructural examination of skin, 1082
meningitis; gas-liquid chromatographic analysis of cerebrospinal fluid lactic acid, 1861
of neuroblastoma, 1043
Niemann-Pick disease; detecting homozygotes and heterozygous carriers, 308
rectal biopsy for neurological diseases, 857
respiratory distress syndrome; foam stability test, 411
transient tyrosinemia in premature infants, 2083
value of brain scanning in pediatric subdural collections, 1795

Diagnostic Check List for Behavior-Disturbed Children: *see under* **Autism, early infantile**

Diaphyseal dysplasia, progressive
Engelmann's disease, with tumoral calcinosis, 3060

Diarrhea
chronic, skeletal dysplasia, occipital horns, and obstructive uropathy, 2292

Diazepam
in breast milk; transfer to newborn infant, 918
effects on serum bilirubin, 187

Diazoxide
maternal and fetal hemodynamic effects, 151

Diet
developmental disabilities; physical, psychological, and socioeconomic correlations, 2057
and lead poisoning in children, 972
low calorie; effect on incidence of pre-eclampsia and birth weight, 399

Diet therapy
galactosemia, 3469
homocystinuria, 3469
phenylketonuria, 2981

Dihydropteridine reductase: *see under* NADH, NADPH oxidoreductases

Discrimination learning
distinctive-feature training and instructional technique; effects on letter and form discrimination, 2447
effects of delaying responses of SMR and PMR, 2443
MRs outperforming college subjects, 2462
retarded readers; speed of exposure, discrimination difficulty, and visual recognition, 2458
set acquisition in early infantile autism, 2480

Disease outbreaks
meningococci meningitis, 942

DISTAR: *see under* Teaching

Divorce
frequency among parents of handicapped, 814

DNA
bilirubin-induced photodegradation, 2909
mammalian; ultrasonic effects, 20
photoactivated riboflavin effects, 2913
synthesis changes in brain following cerebellar damage, 2921

Dopa
L-, in phenylketonuria, 1095

Down's syndrome, 318, 2184
Addison's disease and probable autoimmune thyroiditis, 322
additional XYY aneuploidy, 1132
alopecia areata and autoimmunity, 2191
with Alzheimer's disease; electrophysiology and histopathology, 1122
amplified developmental instability, 2240
amyelination, 341
Australia antigen, 326, 1150
Australia antigen and ABO locus, 1135
biochemistry, 2172
birth order and maternal age factors, 870
bone and muscle signs, 2181
chromosome aberrations compared with MR of unknown etiology and normal subject, 2185
chromosome studies, 2233
clinical diagnosis, 2174
color perception, 1170
contratype; 45,XY,-21/46,XY,r(21), 2167
cytology, 2175
defective antibody response to bacteriophage 174, 329
dermatoglyphics, 1129, 2170
etiology, 2177
with familial balanced translocation (7;11;21), in 2 siblings, 1144
hematology, 2171
historical review, 2183
immunoglobulin levels; effect of institutionalization, 323
immunology, 2173
in India, 347
in infants; affective and cognitive development, 1375
intrafamilial incidence compared with autism and cerebral palsy, 2779
labia majora index, 1130
language development, 2414
longevity in British Columbia, 319
maternal age in Japan, 335
mental development, 2169
mortality and life-table, 2237
myelofibrosis, acute, 1146
non-Gaussian behavior of electroencephalograph, 345
normalization, 1678
ocular sign in the crying newborn, 2229
perceptual- and gross-motor ability, 1299
personality traits, 3218
physical signs, 2182
preconditioning visual stimulus duration effect on visual-evoked responses, 2227
prenatal diagnosis, 2144
prenatal screening and abortion, 337
prevention and treatment, 2179
programs, University of Washington, 3506
with retinoblastoma and celiac disease, 1164
sex differences in IQs, 3024
social and educational considerations, 2178
superoxide dismutase, 338
thyroid function in adults, 1162
thyroid gland function, 3032
training mothers of children with, 1147
Turner-Down's syndrome, 2204
verbal comprehension in children, 2248
vital statistics, 2176
t(10;21) translocation; relation to trisomy of specific segment of chromosome 21, 2147
T system immune deficiency, 1165
x-ray and ultraviolet light induced chromosome aberrations in leukocytes, 3037
5-hydroxytryptophan and sleep, 325
21-year psychosocial followup of 524 cases, 2238
46,XY child born to 47,XX,+21 mother, 2143

Down's syndrome programs, University of Washington: *see under* Community health services

Dramatics
course for learning disorders, 476

Droperidol
emotional disturbances in MR, 2627

Drug abuse
information program for MR, 1576

Drug therapy (*see also* specific drug), 724, 3443
early childhood autism, 3435
early infantile autism and childhood schizophrenia, 2614
herpes simplex; cotrimoxazole, 1911
homocystinuria, 3469
hyperkinesis, 211, 728, 1021, 1027, 1978, 1991, 2003
for learning disorders, 211, 457, 1349
maternal; effects on fetus, 923
meningitis and encephalitis, 1859
for MR in residential facilities, 726
CNS viral infections in newborn infants; risks vs. benefits, 113
psychotropics and anticonvulsants; usage in preschool education programs, 3475
response in minimal brain dysfunction; effect of parental management style, 1386

Drug withdrawal symptoms
from barbiturate management of epileptic mother, in newborn infant, 929

Drugs
as teratogens, 2885, 2886

Ductus arteriosus, patent
respiratory distress syndrome, 2382, 2383, 2384

Due process: *see under* Civil rights

Duhamel anomalad: *see under* Abnormalities, multiple

Dwarfism
campomelic syndrome, 2049
craniosynostosis, retinitis pigmentosa, and multiple congenital malformations, 2289
dominant mesomelic of hypoplastic tibia, radius type, 1048
with ichthyosis, MR, renal impairment; new syndrome, 1183
Kniest syndrome, with dominant inheritance and mucopolysacchariduria, 2038
Laron's syndrome, 2048
lethal facio-cardiomelic dysplasia, 2283
monosuperocentroincisivodontic, 2934
psychosocial, 2935
Saldino-Noonan short-rib polydactyly, 1061
short-limbed, systemic hyalinosis, and possible thymic dysplasia, 2287
short-limbed, with microcephaly, 1206
small-for-gestational-age; free serum thyroxine level and basal metabolic rate, 2044
somatotropin deficiency in MR children, 2068
3-M syndrome, 2054

Dyskeratosis congenita: *see under* Abnormalities, multiple

Dyslexia, 442, 1340, 2425
Aston Index pilot instrument of language difficulties, 467
behavior therapy, 1633
biochemistry, 1372
Braille for communication, 1560
brain function and motivation, 1343
definition, 1329
detection and remediation, 2454
developmental; visual component, 2416
dysmetric; compensatory mechanisms, 2428
follow-up study, 448
guide to diagnosis and treatment, 535
multiple, bilingualism, and polyglot aphasia, 2426
neurological aspects, 1302
as phenomenon of written language, 468
Reading Miscue Inventory, 475
syntactic abilities of normal and dyslexic children in auditory language, 3145, 3146, 3147, 3148, 3149, 3150
teaching reading skills, 2500
tests as key to diagnosis and remediation, 469
three independent syndromes, 460
Wechsler Intelligence Scale for Children scores, 526

Dyspraxia: *see under* Learning disorders

Dystrophia myotonica: *see* Myotonia atrophica

Ear, external
abnormal lobes, with hallux syndactyly and ulnar polydactyly, 3052

Early and Periodic Screening, Diagnosis and Treatment program: *see under* Mass screening

Early Child Intervention Center: *see under* Delivery of health care

Eastern Nebraska Community Office of Retardation: *see under* Community health service

Echo virus infections
4, in Scotland, 130
7; meningoencephalitis epidemic, 132

Echocardiography
left ventricular disease in Ullrich-Noonan syndrome, 2190

Echolalia
behavior therapy, 1642
early infantile autism, 2477

Eclampsia
pre-; amino acid composition of amniotic fluid, 32
pre-; effect of low calorie diet or thiazide diuretic on incidence, 399
pre-; immunologic studies, 1928

Economics
costs of fetal and perinatal casualties, 2841
MR, 2760

Ectodermal dysplasia
hypohidrotic, with normal teeth, peculiar facies, pigmentary disturbances, psychomotor and growth retardation, bilateral nuclear cataract, and other signs, 2268

Ectromelia
sirenomelia in Duhamel anomalad, and monozygotic twinning, 3042

Edema
of umbilical cord, and respiratory distress syndrome, 409

Edmark Reading Program: *see under* Reading

Education (*see also* Education of mentally retarded; Education, special; Physical education and training; Sex education; Teaching; Vocational education)
assessment checklist for handicapped child programs, 1473
behavior control techniques for teachers, 3337
developmentally delayed; infant curriculum, 1478, 1479
developmentally delayed; preschool, 1429
developmentally disabled; court cases concerning rights, 2555
developmentally disabled; guidance services, 537
developmentally disabled; legal aspects, 534, 600
dossiers on children, 593
handicapped; integration into the regular classroom, 1527
MR content in curricula of graduate schools of social work, 3356
parents of MR, 1750
preschool; at home project for handicapped and nonhandicapped children, 2502
Project STEP (seniors tutor for educational progress), 1458, 1460
right to appropriate free public, 596
sanctuary units in primary schools, 1564
school failure; precursors, 598
self-esteem of EMR in segregated and integrated classes, 508
spina bifida child; classroom placement, 2516

Education of mentally retarded (*see also* Education, special; Health education; Physical education and training; Sex education; Teaching; Vocational education), 543, 582, 1451, 1526, 1562, 2517, 3324, 3349, 3351
action-concept usage on structured tasks with praise for performance, 1464
addition and subtraction, 574
ascertaining choice in planning curricula, 3357
basic life skills, 1455
behavior of teachers in classes of SMR, TMR, learning disabled, and normal children, 3316
behavior recycling program, 1456
calendar time teaching unit evaluated, 2579
in California public schools, 1453, 1454
career education bibliography for EMR, 1517
components of an effective instructional program, 1587
contingency contracting techniques, 620
counseling, 2537
curriculum, 2583
curriculum development guide, 1457
drug abuse information programs, 1576
economic competence, 589
educational services in Norway, 3336
efficacy research; experimental control of variables, 3333
efficacy research; future in special education, 3334
efficacy research; special education, 3332
EMR; adaptive behavioral response training, 586
EMR; costs and benefits of training, 735
EMR; day school, 3381
EMR; determining reading levels of instructional materials, 1590
EMR; employment skills, 648
EMR; environmental instruction, 1431
EMR; experimental curriculum for rural, 638
EMR; home economics, 1415, 1416
EMR; pictorial riddles for concept learning, 563
EMR; postschool vocational adjustment, 1624
EMR; reading comprehension skills, 587
EMR; reading instruction, 3317
EMR; social-emotional development, 640
EMR; special day school placement of high and low IQ, 3371
EMR; status in secondary schools, 1420
EMR; teacher attitudes and labeling, 557
EMR; vocational training program, 1435
enrichment program effects on reading, 632
evaluation of program in St. Louis County, Missouri, 1574
excluding MRs from school, 1414
film on hazards of alcohol, 641
health education for EMR, 2526, 2527, 2528, 2529
health education for TMR, 2530, 2531, 2532
home life program, 1608
incidental learning, 588
intelligence and reading achievement in 3 settings, 1497
language training for SMR and PMR, 3347
language-based curriculum, 3346
learning to use bus transit system, 2539
locus of control, 1578
mainstreaming, 531, 1507, 1589, 3363
mainstreaming; correlates of success, 1516
mainstreaming; effects on classroom social behavior, 1498
mainstreaming; limitations, 1599
mainstreaming; public attitudes, 1461
mainstreaming; the resource room, 532, 533
mainstreaming; resource room manual, 1500
mainstreaming EMR, 2489
manual multiplication, 573
measurement of length teaching unit evaluated, 2580
money, measurement and time teaching unit evaluated, 1539, 2582
mildly MR; benefits of special vs. mainstream school, 1522
mildly MR: criteria for special class placement, 1502
music training for SMR and PMR, 1503
in New Zealand; current provisions and research needs, 3360
nonprofessionals as teachers of language skills, 3319
nonspeech response training, 1595
object permanence acceleration, 3369
occupational, for junior high school MR, 651
paired associate learning, 1577
parent guidelines for home learning assistance of MR children, 1588
Peabody Rebus Reading Program and Edmark Reading Program compared, 595
PMR; curriculum guidelines, 618
PMR, SMR, and multihandicapped teaching model, 1482

preschool language program, 1524
preschool programs in England, 1447
Project I CAN; individualized curriculum, 1622
Project PRICE (Programming Retarded in Career Education); annotated bibliography, 1613
Project SERVE, 3268
psycholinguistic stimulation program, 1529
pupil-teacher interrelationships in New Zealand special schools, 3359
read project; teaching manuals for parents of MR children, 3313
resources for the education of severely or multiply handicapped children, 1585
role conflict and job satisfaction in teachers of MR, 633
Saturday school program for preschoolers, 1492
school placement, measured achievement, and self-concept, 1530
sign language, 1495
social acceptance of educational placement, 3335
social learning curriculum, 3311
the special class; a defense, 575
in special classes; effects of cues on paired-associate learning efficiency, 1332
SMR; curriculum guidelines, 618
SMR; nonvocal communication development program, 599
SMR; perceived responsibilities of home and school, 621
SMR; response to language cues, 626
SMR and PMR, 2495
SMR and PMR; instruction materials, 3341
structural variations in elaboration on learning, 1319
in Sweden, 3365
systematic instruction procedures for extremely poor MR, 1465
TMR; community involvement program, 644
TMR; DISTAR and Rebus reading systems, 1596
TMR; individualized program, 637
TMR; in Iran, 622
TMR; manual skill training, 617
TMR; money counting skills, 585
TMR; protection words, 562
TMR; role of speech therapist in program, 1583
TMR; school bus learning experience, 564
TMR; sight vocabulary, 1594
teaching machines, 2540
teaching materials, 1575
teaching reading skills, 1433
techniques to facilitate instruction attending behaviors, 1592
telephone dialing, 1494
time-telling, 639
time-telling teaching unit evaluated, 2581
training procedure manual, 592
training reading vocabulary, 3367
Washington State Cooperative Curriculum Project, 1593
work attitudes, 560
young adults, 1563

Edwards syndrome: *see* **Trisomy (18)**

Education, special (*see also* **Education; Education of mentally retarded; Health education; Physical education and training; Sex education; Teaching; Vocational education), 551, 594, 724, 2499**

attitude of personnel toward deviants, 2585
autistic children, 2501, 3314
autistic children; teacher's guide to educational model, 612
behavioral disorders; teacher education programs, 568, 547
behavioral objective based monitoring system, 561
bibliography, 2515
bibliography of educational toys and games for library serving MR, 1545
California Master Plan, 554
as career; reasons for choosing, 556
Carolina Infant Curriculum, Carolina Abecedarian Project, 3328
catalogue of special programs, 1452
Charlton Tutor electronic machine, 1565
classroom behavior modification, 2491
classroom behavior; systematic observation, 3355
classrooms and resource rooms; comparative study, 630
cognitive functioning diagnostic paradigm, 2509
community organization theory, 3269
comparison of graduates of work-study and traditional programs, 691
competency based teacher training courses, 549
day care-preschool program for low income families, 3364
developmental reinforcement, 601
developmentally disabled; bioengineering services, 615
developmentally disabled; free resources, 1310
developmentally disabled; school placement, 2554
early infantile autism, 1391, 1393, 1392
early intervention in classroom setting, 569
early intervention programs, 1649
early intervention with high risk infant and young children, 3330
educators' attitudes toward various exceptionalities, 1476
elementary teacher training and certification program, 1519
EMR; mathematics, 538
EMR; placement, 529, 547
EMR graduates; social adjustment, 512
evaluating materials, 1566
evaluation and planning package, 3376
evaluation of regional programs in Illinois, 1603
exceptional children; diagnostic services, 1443
exceptional children; Idaho programs, 1450
exceptional children; instructional materials, 611
exceptional children; satellite based telecommunications system, 555
exceptional children; teacher training, 1436, 1532, 1533, 1534, 1535, 1536, 1540, 1541
financial effects of inflation and budget cuts, 1661
in Finland, 1504
general and specific degree programs, 3358
guidelines for designing facilities, 1484
handicapped, 2542, 2543, 2544, 2492, 2519, 2578, 3249, 3350
handicapped; activities, 2546
handicapped; after age 16, 2552
handicapped; basic components of instructional programs, 616
handicapped; Canada, 1445
handicapped; career, 656, 2587
handicapped; child legislation, 2632
handicapped; Colorado, 1423

handicapped; community visits, 2548
handicapped; computer assisted instruction, 578
handicapped; costs, 1434
handicapped; due process, 553, 2522
handicapped; early childhood program, 558, 1442, 1486
handicapped; early interdisciplinary approach, 1606
handicapped; environment structured for learning, 2547
handicapped; facility planning, 2520
handicapped; financing, 1487
handicapped; in Hawaii, 1510
handicapped; mainstreaming, 1489
handicapped; materials bibliography, 2521
handicapped; music therapy, 707
handicapped; needs assessment, 2504, 2505, 2506, 2507
handicapped; operant group therapy, 2538
handicapped; preschool program, 2545
handicapped; Project Serch, 1468
handicapped; Public Law 94-142, 2645
handicapped; regional programs, 1419
handicapped; rights, 1569
handicapped; specially trained teachers, 2553
handicapped; student assessment, 2493, 2512
handicapped; Sweden, 1446
Head Start; evaluation, 763
Head Start; participants compared with nonparticipants, 1491
Head Start; services to handicapped children, 1538
for high-risk infants; Infant Studies Project, UCLA, 3327
for high-risk infants and young children; current and future needs, 3331
identifying preschoolers with special needs, 576
increasing cooperative behavior by use of balance beam, 643
in Jefferson County, Colorado, 2533
language research and teacher training, 2556
learning disabled, 565, 1515
learning disabled; academic achievement, 635
learning disabled; academic deficit identification, 3297
learning disabled; assessment measures, 1556
learning disabled; behavior analysis, 1546
learning disabled; college programs, 3301
learning disabled; cross-age tutoring, 579
learning disabled; educational materials and equipment list, 559
learning disabled; facilities, 446
learning disabled; field study of students, 629
learning disabled; health education, 2523, 2524, 2525
learning disabled; Illinois program, 1554, 1557
learning disabled; improving instruction, 1548
learning disabled; instructional guide, 608
learning disabled; intervention program, 1432
learning disabled; language therapy, 1549
learning disabled; legislative definitions as basis, 1555
learning disabled; materials, 3260
learning disabled; models, 3259
learning disabled; opinion survey of administrators, 1551
learning disabled; prekindergarten program, 2503
learning disabled; program design, 1518
learning disabled; program guidelines, 3284
learning disabled; Project FAST, 1520, 1521, 1543
learning disabled; pupil identification guidelines, 3298
learning disabled; remedial instruction, 590, 1537, 1552
learning disabled; resource room guidelines, 1601
learning disabled; school health services, 1531
learning disabled; school specifications, 627
learning disabled; secondary schools, 1470, 3293, 3294, 3295, 3299, 3300, 3302
learning disabled; sentence comprehension skills, 607
learning disabled; systems approach, 1441, 3261, 3262, 3263, 3264, 3265, 3266, 3267
learning disabled; teaching homonyms, 606
learning disabled; teaching synonyms, 603
learning disabled; training model for educators, 1550
learning disabled; tutoring models, 605
learning disabled; word recognition-sight vocabulary skills, 604
learning disabled and EMR classes; racial composition, 550
legislation, 1568
Legislative Progress Report, 610
mainstreaming, 1477
mainstreaming; observation of pupils and teachers, 1459
mental health programs for preschool and school-age children, 1499
minority group placement; discrimination by intelligence testing, 1573
model for in-house program evaluation, 1586
neurologic manifestations with hearing disorders, 1367
New Jersey programs, 2577
outdoor program; ESEA Title III project, 1542
parent intervention with academic high risk preschool children, 1580
parent involvement, 805
PASS Model Project, 602
physical therapy, 3345
placement procedures in Montgomery County, Maryland, public schools, 613
Portage Project model, 3312
preparation of teacher educators, 1582
preschool; psychotropic and anticonvulsant use, 3475
preschool handicapped children; state of the art, 3329
preschool program of the Institute of Rehabilitative Medicine, New York University Medical Center, 3326
professors; teaching and advising competencies, 528
program for parents of MR, 625
Project PRICE trainer's workshop, 540
Project SHARE (Sharing High Yield Accountability with Resource Educators), 1514
reading; teaching methods, 1506
recommendations for improved services, 1567
research and development centers, 548
resource center for rural Maine, 572
resource guide for teachers of preschool children, 2514
resource programs in rural school, 530
resource room instruction, 1584
in Richmond, Virginia, 1597
in rural remote areas; Oregon University report, 1598
Saturday school program for preschoolers, 1492, 1493
in Scotland, 1558
secondary school program in Michigan, 1422
for severely deaf and PMR children with communication deficiencies, 546
severely handicapped, 1483
for severely handicapped; basic instruction programs, 3340
severely and profoundly handicapped child, 2561, 2562, 2563, 2564, 2570, 2571

severely and profoundly handicapped child; communication, 2573
severely and profoundly handicapped child; community adjustment, 2664
severely and profoundly handicapped child; movement in space, 2569
severely and profoundly handicapped child; sense training, 2566, 2567, 2568
severely and profoundly handicapped child; speech and oral language training, 2575
severely and profoundly handicapped child; teaching self-care skills, 2572
SMR program and curriculum, 2550
state program development, 1440
state-wide planning in California, 1553
in states; legislative progress report, 1488
Student Town Action Resources Team Project (START); teacher training program, 1579
survey of recent undergraduates, 570
teacher education program, 1421
Teacher Instructional Program, 608
teacher-parent relationships, 1753
teacher reeducation, 1581
teacher training programs, 571, 583, 584, 1425, 1481, 1570, 1571, 1600, 3246
teachers assisted by volunteers in curriculum development, 544
TMR; attention and concentration training, 441
training paraprofessionals as educators, 1466
video letters, 642
writing proposals, 3374

Edwards syndrome: *see* Trisomy (18)

Ego
development and predicted vocational success, 690

Electrocardiography
abnormalities in hyperkinetic children treated with imipramine, 1997
in fetal monitoring, 70

Electrodes
Marburg, for blood gas analysis, 402
oxygen monitoring in newborn infant, 899

Electroencephalography
audiometric; medication effects on analysis of children with minimal brain dysfunction, 1020
fetal, and neonatal and one-year-old developmental examinations in high-risk infants, 1847
non-Gaussian behavior in Down's syndrome, 345
phenylketonuria, 2126
prognostic sign in herpes simplex encephalitis, 911
subacute sclerosing panencephalitis, 900

Electrolytes
serum, in protein calorie malnutrition, 2946

Electromagnetic interference (EMI) brain scan: *see under* Technology, medical

Electromyography
biofeedback in hyperkinesis, 1022
hyperkinesis, 1975

Electron microscopy: *see* Electron probe microanalysis

Electron probe microanalysis
neuroblastoma, 1042

Electronics
Charlton Tutor for special education, 1565
fetal monitoring, 64

Electrophysiology
early infantile autism, 2470
for metachromatic leukodystrophy, 246
myotonia atrophica, 2296

Electrotherapy
endovesical, in treatment of urinary incontinence in spina bifida, 2254

Embryo
disease prevention, 2845
infection and immunization, 2882
ionizing radiation effects, 2883
rubella infection with congenital aphakia, 2889
transfer; legal aspects, 3483

Embryology, 3090

Emotions
droperidol for disturbances in MR, 2627
MR children's reactions to success and failure, 2464

Emphysema
surgical, from amniocentesis, 98

Employment
MR success factors, 3382

Encephabol: *see* Pyrithioxin *under* Pyridines

Encephalitis
amino acid composition of cerebrospinal fluid, 913
drug therapy, 1859
herpes simplex, 180
herpes simplex; diagnosis using immunoperoxidase, 941
herpes simplex; drug therapy, 129
herpes simplex; EEG as prognostic sign, 911
herpes simplex; in guinea pig, 110
herpes simplex; in mice, 111
herpes simplex, in newborn infant; drug therapy, 1899
herpes simplex, in suckling mice; ultrastructural studies of virus replication, 1880
rubella; corticosteroids, 128
togavirus; immunopathologic component, 1879

Encephalomyelitis
in absence of inflammatory lesions of central nervous system, 1906
amino acid incorporation into guinea pig brain slices, 103

Encephalomyelitis, allergic
experimental; central nervous system phenomena, 2870
experimental; myelination inhibiting and neuroelectric blocking factors, 153

Encephalo-ophthalmic dysplasia, congenital: *see under* Retrolental fibroplasia

Encopresis
in TMR; behavior therapy, 1627

Endocrine glands
disorders in Fanconi's anemia, 2915
hypothalamic-pituitary function assessment in Wiedemann-Beckwith syndrome, 307
response to insulin stress in early infantile autism, 1395

Endocrinology
neonatal hypoglycemia, 2114

Engelmann's disease: *see under* **Diaphyseal dysplasia, progressive**

Enteritis
measles; protein-losing enteropathy and absorption, 1878

Enterovirus infections
convulsions and the immature brain, 2139
neuronal loss in infancy, 956

Enteroviruses
generalized myopathy and cerebral malformations possibly related to, 2891

Environment
auditory, of infant, 3126
and behavior, 501
cytogenetic and multiple abnormalities, 3019
education program for EMR, 1431
enrichment, and malnutrition, 258
and human development, 9
maternal education and ethnic background; effect on infant development, 1342
preconditioning, and birth abnormalities, 1768
risks to intelligence in fetal and neonatal life, 3171
thermal, and caloric intake; effect on head growth of low birth weight infants, 1226

Enzymes
replacement therapy in angiokeratoma corporis diffusum, 267, 2104

Epidemiology
abnormalities, 1768
birth defect surveillance systems, 2757
British Columbia Health Surveillance Registry, 1773
chromosome abnormalities, 3027
congenital rubella, 1919
Creutzfeldt-Jakob disease in England and Wales, 109
early childhood autism, 2833
galactosemia in New Zealand, 2965
Gilbert's disease, 1948
kuru, 945
measles, 162
MR, 48
MR; Colchester Survey, 853
MR; practices in estimating prevalence, 2758
MR; Queensland, Australia, 2769
MR; variables in prevalence, 2764
patient with neural tube defects in a metropolitan hospital clinic, 2314
perinatal disease surveillance, 2747
Reye's syndrome, 120
SMR in children, 835
subacute sclerosing panencephalitis, in Israel, 966
survey and planning rehabilitative facilities for handicapped, 1663

Epilepsy
and abnormal calcium metabolism in institutionalized MR, 2142
anticonvulsant effects on psychological test performance, 2135
anticonvulsants and multiple abnormalities, 2138
barbiturate management during pregnancy and withdrawal symptoms in newborn infant, 929
in childhood; motor handicap and prognosis, 316
chronic; effect of anticonvulsant on performance, 2131
epiloia (epilepsy, adenoma sebaceum, and MR), 311
performance of patients in continuous reaction-time situations, 2141
progressive myoclonic, due to Gaucher's disease, 2133
reading; inheritance, 2137
red cell folate and macrocytosis in nonanemic MR, 713
reflex (reading and musicogenic), 314
temporal lobe; genetic factors, 2130

Epiloia: *see under* **Epilepsy**

Epinephrine
plasma, in ketotic hypoglycemia with suprarenal gland calcification, 2116

Erb's palsy: *see under* **Paresis**

Erythroblastosis, fetal (*see also* **Jaundice, neonatal**)
blood glucose and plasma insulin and glucagon response during intravenous glucose tolerance test, 1951
immunoglobulins, 1947
phototherapy, 1974
in pregnancy with hemolytic anemia, 985
relapsing Coombs-negative hemolytic anemia in pregnancy, 1958
Rh-hemolytic disease prevention, 190, 191, 192
spleen rupture, 989
thyroid function during exchange transfusion, 981

Erythrocytes
transfused; loss of transferase enzyme activity in galactosemia, 2119

Escherichia coli
aminoglycoside resistant; emergence during neonatal meningitis, 124
Citrobacter diversus meningitis, 974

Esophagus
atresia in low birth weight infant, 1222

Estradiol
measurements in human pregnancy, 885

Estriol
maternal urinary levels; predicting high-risk pregnancies, 1797

Estrogens
assay and fetal welfare, 66

assays in maternal hyperbilirubinemia, 185
/creatinine ratio as index of fetal welfare, 82
delayed treatment and psychosis in Turner's syndrome, 328

Ethics, medical, 5, 1770, 2727, 2735
behavior therapy, 2616
biological roots, 2726
blood sampling in newborn infant, 1087
children as research subjects, 12
clone cell reproduction, 2810
developmental disorders, 2
discretionary nontreatment of defective newborns, 2729
eugenics, 2736
euthanasia for defective newborn, 2728
fetal research, 851
genetic counseling; informed consent and confidentiality, 2829
genetic engineering, 7
genetic experimentation; informed consent, 2731
genetics, 2723, 2734, 2738
genetics; screening and counseling, 2733
informed consent and PMR, 2775
intensive care for defective newborn infants, 90
intensive care units for newborn infants, 850
in vitro fertilization, 2725
myelomeningocele and hydrocephalus, 3068
prenatal diagnosis, 1779
prenatal diagnosis and abortion, 2812, 2813
social values of scientific advances, 2737
spina bifida, 3064

Ethology
delayed language acquisition, 2442
in etiology of early infantile autism, 504

Eugenics (*see also* **Genetic counseling**), **44, 2811**
in Africa, 2739
clone cell reproduction; biological consequences, 3477
clone cell reproduction; medical ethics, 2810
ethical issues, 2736
state regulation of marriage and procreation, 2823
vs. individual interest, 2825

Euthanasia
for defective newborn, 2728, 2761

Evaluation and Prescription for Exceptional Children: *see under* **Psychological tests**

Evolution
relative psychology of mental retardation, 2749, 2752

Eye
movements during problem solving in hyperkinesis, 1002

Eye manifestations
Dandy-Walker anomaly and lissencephaly, 1182
ocular colobomata, cardiac defect, and other anomalies, 2269
optic atrophy, sex-linked, with neurologic manifestations, 1118

Fabry's disease: *see* **Angiokeratoma corporis diffusum**

Face
anomalies, ankylosis, and pulmonary hypoplasia, 3044
anomalies, camptodactyly, multiple ankylosis, and pulmonary hypoplasia, 3045
peculiar, with accelerated bone development, failure to thrive, respiratory problems, and pulmonary hypertension, 3046

Facial paralysis
measles, 1909

Familial dysfunction: *see* **Autonomic dysfunction**

Familial frontometaphyseal dysplasia: *see under* **Abnormalities, multiple**

Familial opsonification defect: *see under* **Hereditary diseases**

Family
care in human services system for MR, 819
characteristics of foster parents and acceptance of MR, 821
environment effects on developmentally retarded infant, 1747
factors associated with child MR, 811
of handicapped child, 2708, 2709
intervention with MR offender, 1736
life of cerebral palsied, 238
Mexican-American and Anglo parents of an institutionalized MR; comparative study, 813
of MR; Parent Training Technology System, 3573
of MR; parental attitudes toward professional help, 817
parents of handicapped child; frequency of divorce, 814
of phenylketonuric child; problems, 2981
of severely and profoundly handicapped child, 2712
of severely and profoundly handicapped child; identifying services, 2713
sibling disturbance and early infantile autism, 3181
of SMR, 3572
of spina bifida adolescents; stresses, 2710
of spina bifida child; implications of survival, 3066
of spina bifida patients; marital breakdown, 2711
studies in propionic acidemia, 2988
surrogates in community residence, 1743

Family therapy
child psychotherapist for families of handicapped, 810
learning disabled child, 1646

Family training center: *see under* **Normalization**

Fanconi syndrome
after bowel surgery and hepatitis reversed by 25-hydroxycholecalciferol, 282

Fanconi's anemia: *see under* **Anemia, aplastic**

Fear
developmental comparison of normal and exceptional children, 3221

Feeding: *see* **Nutrition**

Femur
changes in cytomegalic inclusion disease, 927

Ferritin
turnover in plasma in exchange blood transfusion, 2912

Fertilization
in vitro; legal aspects, 3483
in vitro; medical ethics, 2725

Fetal alcohol syndrome: *see under* **Alcoholism**

Fetal anoxia
brain tissue damage, minimal brain dysfunction, and schizophrenia, 2375
developmental sequelae in 4-year-old survivors, 1366
hypoxanthine as measure, 2369

Fetal death
costs, 2841
placental insufficiency, 388
prostaglandin E_2 for pregnancy termination, 1800
from salicylates in pregnancy, 174
South Africa, 2759
sudden, in monitored labor, 1827

Fetal distress
birth scores in newborn infant, 2361
bradycardia, 2391
elevation of fetal presenting part, 872
hyperextension of head in breech presentation, 1004
maternal PaO_2 effects, 2381
oxytocin challenge, 1264, 1797, 1820
possible adrenocortical insufficiency in postmature newborn infants, 2390
uterine rupture in labor, 2350

Fetal heart
baseline rate variability, 1848
beat interval recorder, 22
contraction stress test, 15
prolonged end stage rate deceleration, 1816
rate acceleration patterns, 61
rate deceleration areas and fetal pH during labor, 78
rate irregularity and umbilical cord compression, 894
rate monitoring, 195, 878, 880, 884
rate monitoring; febrile morbidity evaluation, 85
rate monitoring; maternal skin electrode method, 1817
rate monitoring; neonatal value, 1814
rate patterns and Apgar score, 400
rate patterns assessed by computer and correlated with fetal scalp blood pH determinations, 87
rate patterns in oxytocin challenge test, 395
rate-uterine contraction patterns correlated with fetal scalp blood pH, 1810
scalp electrode monitoring; complications, 1813

Fetal hemoglobin
estimating maturity or gestational age in newborn infant, 1846

Fetal globulins
alpha-fetoprotein; alternative markers for prenatal diagnosis, 1211
alpha-fetoprotein; during development and in disease, 1791
alpha-fetoprotein; during mid-trimester induced abortion, 73
alpha-fetoprotein; effect of gestational age on screening for neural tube defects, 29
alpha-fetoprotein; fetal maturity assessment, 1786
alpha-fetoprotein; fetal sacrococcygeal teratoma, 2922
alpha fetoprotein; importance of routine estimation for meningomyelocele, 1198
alpha-fetoprotein; misdiagnosis of spina bifida, 380
alpha-fetoprotein; neural tube malformations, 377, 1823, 1824, 1825, 2310
alpha-fetoprotein; multiple pregnancy, 861
alpha-fetoprotein; prenatal diagnosis, 72, 385, 863, 864, 865, 1190, 1199, 1200, 1205, 1212
alpha-fetoprotein; racial variation in levels, 1821
alpha-fetoprotein; raised levels and omphalocele in triplet pregnancy, 384
alpha-fetoprotein; relationship to fetal weight, maternal age, and parity, 31
alpha-fetoprotein; semiautomated serum radioimmunoassay for spina bifida, 386

Fetal teratoma: *see under* **Neoplasms, embryonal and mixed**

Fetography: *see under* **Fetus**

Fetus
abnormalities; environmental factors, 2844
activity and Doppler ultrasonics, 1787
acute transplacental ethanol intoxication, 1897
albumin, alpha-fetoprotein, and IgG cerebrospinal fluid levels, 863
amniocentesis; fetal lung maturity, 408
amniocentesis; gangrene of limb, 99
amniocentesis; needle puncture, 59
amniotic fluid macrophage count in spina bifida and anencephalus, 2252
amniotic fluid protein ingestion and metabolism, 2069
asphyxia from umbilical cord compression, 2374
chronic infections; diagnosis, 2906
creatinine and uric acid assays for determining maturity, 1807
dermal ridge development, 1784
determining gestational age, 1794
diazoxide; hemodynamic effects, 151
disease prevention, 2845
electroencephalography and neonatal and developmental examinations in high-risk infant, 1847
environmental risk and intelligence, 3171
fetography, 2789
fetography; respiratory distress following, 1265
fetoscopy for Hirschsprung's disease, 2258
gestational age misjudged and respiratory distress syndrome, 1243
growth and ionizing radiation in mice, 871
growth and maternal malnutrition, 2039, 2040, 2949, 2950
growth and mental development; maternal amino acid and proteins, 2070
head growth assessed by sonar cephalometry, 1229
hemoglobin; postnatal change in abnormal conditions, 1957
immune system development, 2907
incidence and impact of disease, 2748
infection routes and fetal damage mechanisms, 2905
intrauterine growth retardation; atypical heart rate response, 395

legal principles affecting, 3485
legal status, 3484
lung maturity evaluated by amniotic fluid analysis, 2379
mal- and well-nourished; foam test and fat cell count, 33
maternal assessment of fetal activity in small-for dates infants, 2343
maternal drug therapy effects, 923
maternal exposure to adhesive spray and birth defects, 1864
maternal hemorrhage; risks of amniocentesis, 1811
maternal medical disorders, 2867
maternal smoking and breathing movements, 1263
maturity; amniotic fluid bubble stability, lecithin/sphingomyelin ratio, and creatinine concentration, 71
maturity; amniotic fluid components, 83
maturity; fetogram and lecithin/sphingomyelin ratio, 63
mercury levels and maternal levels, 2871
monitoring, 64, 1799
monitoring electrode; gonococcal infection, 2874
monitoring; osteomyelitis and sepsis, 39
oxidation of glucose and D-B-OH-butyrate by human brain, 2394
phenobarbital induced UDP-glucuronyltransferase activity towards bilirubin in mouse liver, 184
physiology and biochemistry, 3089
placental function and malnutrition, 2944
postmaturity; placental insufficiency, 2389
propranolol effects, 123
research; legislation, 3481
research; medical ethics, 851
research on human; legislation, 3482
scalp pH determinations, 87
synergistic effects of maternal malnutrition and infection, 2341
ultrasonic cephalometry; observer error, 2809
ultrasonics, 18
ultrasonics in fetal abdomen circumference measurement, 397
urinary gentamicin excretion during maternal infusion, 1868
variations of protease inhibitors, 2367
viability; legal aspects, 3486, 3487
wastage; balanced chromosome translocation, 327
wastage; chromosome abnormalities in couples with history of, 340
weight; ultrasonic measurement, 17, 398
welfare; literature survey, 66
welfare; random urine estrogen/creatinine ratio, 82

Fibrin
/fibrinogen degradation fragment E, intrauterine growth retardation, and perinatal asphyxia, 201

Fibrinogen
/fibrin degradation fragment E, intrauterine growth retardation, and perinatal asphyxia, 201

Fibroblasts
complementation after fusion of Sandhoff and Tay-Sachs, 2082
cultured skin; variability of acid hydrolase activities, 1785
glycosidases in human skin in inborn metabolic errors, 2076
mannosidosis; deficient alpha-mannosidase activity, 2985
skin; free amino acids, 2106
skin, in Niemann-Pick disease; sphingomyelinase deficiency, 2968

Fistula
tracheo-esophageal, in low birth weight infant, 1222

Folate: *see* **Folic acid**

Folic acid
inborn metabolic errors, 262, 287

Food
satiation as procedure to decelerate vomiting, 2622

Foot dermatoses
hyperkeratosis of plantar surface, with hyperkeratosis of palms and gums, 3050

Formiminoglutamic aciduria: *see under* **Metabolism, inborn errors**

Foster home care, 776
characteristics of foster parents and acceptance of MR into family structure, 821

Foundations
Joseph P. Kennedy, Jr., Foundation, 3524
King Edward's Hospital Fund for London, England, 3525

Free recall: *see under* **Memory**

Friedreich's ataxia, 2026
in Norway, 1189
pyruvate metabolism, 2929

Frostig Program for the Development of Visual Perception: *see under* **Perception**

Fructose intolerance: *see under* **Carbohydrate metabolism, inborn errors**

Frusemide
respiratory distress syndrome, 1247

Fucosidosis: *see under* **Metabolism, inborn errors**

G syndrome: *see under* **Abnormalities, multiple**

Galactokinase deficiency: *see under* **Metabolism, inborn errors**

Galactosemia
developmental psycho-social aspects, 1086
diet therapy, 3469
galactose-1-phosphate uridyl transferase in fibroblasts, 2992
incidence in New Zealand, 2965
induced hyperuricemia; uric acid levels compared with those in fructose intolerant Ss, 2963
loss of transferase enzyme activity of transfused erythrocytes, 2119
unconjugated hyperbilirubinemia, 1962

Galactosephosphate uridyl transferase: *see under* **Nucleotidyltransferases**

Galactosidases
beta, in lactosyl ceramidosis, 299
beta-D, from liver, characterized in I-cell disease, 2081
ceramide hexosides of brain; chemical pathology of Krabbe's disease, 2014
ceramide trihexosidase isolation and evaluation of enzyme replacement therapy in Fabry's disease, 2104
galactosylceramide and lactosylceramide; chemical pathology of Krabbe's disease, 2015

Galactosylceramide: *see under* **Galactosidases**

Ganglia
sensory; latent infection with herpesvirus hominis, 154
trigeminal; latent herpes simplex virus infection, 168

Gangliosides
-bilirubin interaction; possible mechanism in kernicterus, 2911
of brain; chemical pathology of Krabbe's disease, 2014

Gangliosidosis, 2109
GM_3; ultrastructure and pathogenesis, 2990

Gangrene
of fetal limb, in amniocentesis, 99

Gastrointestinal system
congenital defects, 2264

Gaucher's disease
enzyme therapy, 2969
progressive myoclonic epilepsy from, 2133

Genes
localization of human transferase on chromosome 3, 353

Genetic counseling, 36, 50, 65, 875, 1790, 2816, 2817, 2859
for first cousins, 2822
health insurance, 2826
health insurance; liability, 2827
at maternity hospital, 2847
medical ethics; informed consent and confidentiality, 2829
medico-legal aspects, 2828
for parents of spina bifida child; social workers and health visitor roles, 3067
physicians, 3585
psychosocial aspects, 2843
regional programs, 41
satellite clinics, 1803
sociogenetic problems and public opinion, 2742
ultrasonics before amniocentesis, 76

Genetic disorders: *see* **Hereditary diseases and specific syndrome**

Genetic engineering
medical ethics, 7

Genetic screening: *see under* **Prenatal diagnosis**

Genetic technics
genetic registers, 1835, 1836, 1839, 1840, 1841, 1842, 1843,
genetic registers; computing problems, 1834
genetic registers; content and classification of information, 1845
genetic registers; record linkage, 1844
method for calculating genetic risks, 1822

Genetics
programmed changes in cell surfaces and multiple abnormalities; animal model, 2318

Genetics, human, 898, 2724, 2818
amyloidosis, 2080
and behavior, 501
and consequences of abortion, 2815
early infantile autism, 2466
effects of medical and social practices on frequency of genetic disorders, 882
elderly fathers and frequency of recessive conditions, 2165
ethical issues, 2734
ethical issues, screening, and counseling, 2733
heritability of intelligence, 852, 1339
legal issues, 60, 3488
mass screening for disorders, 2859, 3478
medical ethics, 2738
medical ethics; informed consent, 2731
molecular, of beta-galactosidase, 2109
political issues, 2740
role of law and medicine in regulating, 2730
social implications of advances, 2865
temporal lobe epilepsy, 2130
variance analysis, 97

Genitalia
ambiguous, and MR, with 46,XY,t(9;10) translocation and 9q deletion, 3016

Genitalia, female
labia majora index in Down's syndrome, 1130

Gentamicin
in congenital syphilis, 172
placental transfer and fetal urinary excretion during maternal infusion, 1868
treatment of neonatal meningitis, 917

Gestational age
assessment; Dubowitz scoring system for infants of very low birth weight, 881
developmental effects, 2345
effect on alpha-fetoprotein levels, 29

Gilbert's disease: *see under* **Hyperbilirubinemia, hereditary**

Gilles de la Tourette's disease, 1112

Gingiva
marginal hyperkeratosis, with hyperkeratosis of palms and plantar surface, 3050

Glibenclamide
hypoglycemia, 1075

Globulins
hyper-gamma-globulinemia in immune deficiency syndrome, 988

Glucagon
response during intravenous glucose tolerance test in fetal erythroblastosis, 1951
response to arginine infusion in low birth weight infants, 2331
responses to arginine infusion in idiopathic short stature, isolated growth hormone deficiency, panhypopituitarism, and anorexia nervosa, 2932

Glucaric acid: *see under* **Sugar acids**

Glucocorticoids
familial deficiency, 1090

Glucose
alanine effects in protein-calorie malnutrition, 1053
blood levels in low birth weight infants, 2331
hypoglycorrhachia in viral meningitis, 960
oxidation by fetal brain, 2394
in premature infants, 1235
tolerance, insulin secretion, growth hormone, and serum protein interrelationships in protein-calorie malnutrition, 2046
tolerance in protein-calorie malnutrition, 1052

Glucosephosphate
dehydrogenase deficiency, 1096
detection in Mediterraneans, 2984
and neonatal jaundice in New Guinea, 984

Glucosephosphate isomerase
deficiency with hemolytic anemia, 2986

Glutamates
mental retardation, 2620

Glutaric aciduria: *see under* **Amino acid metabolism, inborn errors**

Glycerin
intolerance in hypoglycemia, 2127

Glycerol: *see* **Glycerin**

Glycogenosis
portacaval shunting, 290
2; prenatal diagnosis using microchemical analyses, 2976

Glycosaminoglycans: *see* **Mucopolysaccharides**

Glycosidases: *see* **Glycoside hydrolases**

Glycoside hydrolases
in human skin fibroblast cultures, 2076

GM_2 gangliosidosis: *see* **Sandhoff-Jatzkewitz disease** *under* **Metabolism, inborn errors**

Gogi syndrome: *see under* **Aphasia**

Goldenhar-Gorlin syndrome: *see under* **Abnormalities multiple**

Gonadal dysgenesis: *see* **Turner's syndrome**

Gonadotropins, chorionic
cryptorchism, 1163, 1166, 1167, 1168, 1169

Gonads
hypogonadism, with congenital ichthyosis, mental retardation, and anosmia, 3053
radiation and genetic load, 889

Gout
with hypoxanthine phosphoribosyltransferase deficiency, 1097

Government
U.S.; MR programs, 752

Government agencies
and MR offender, 1668

Graft vs host reaction
cytomegaloviruses in mice, 169

Growth
brain; biochemical correlates, 1285
brain; experimental intrauterine retardation in rabbit, 425
catch-up, in under-nutrition, 2937
fetal, and mental development; maternal amino acids and proteins, 2070
head, catch-up, compared with early infantile hydrocephalus, 2305
head, measured in premature infants, 2346
intrauterine; rates between 6th and 20th week of gestation, 1293
measurement of newborn infant, 2396
and mineral metabolism in very low birth weight infants, 2330
physical, in children receiving methylphenidate for minimal brain dysfunction, 1996
physical, in twins, and postmature and small-for-dates children, 1054
physical, of 5-year-old children of low birth weight, 2325
of rats with lead poisoning, 155
rebound after termination of drug therapy for hyperkinesis, 1991
retardation, intrauterine; nerve distal latency time in premature infants, 2327
in thalassemia, 199

Growth disorders
growth failure with chronic lactic acidemia, myopathy, and nerve deafness, 281
growth hormone response to physiological stimuli, 1077
with hyperdibasicaminoaciduria and hyperammonemia; amino acid therapy, 1101
intrauterine; calcium metabolism, 251
intrauterine retardation, perinatal asphyxia, and fibrin/fibrinogen degradation, 201
intrauterine retardation; placenta scanning with computer-linked gamma camera to detect impaired placental blood flow and intrauterine growth retardation, 2047
intrauterine retardation, in rat; response to fasting, 250

mumps-virus-induced embryonic retardation; biological and chemical pathogenesis, 2045
Russell-Silver syndrome; natural history, 2937
short stature due to spondyloepiphysial dysplasia tarda, 2052
tall girls, 1046

Growth hormones: *see* **Somatotropin**

Guardianship: *see under* **Mental retardation**

Guardianship law: *see under* **Legislation**

Guillain-Barre syndrome: *see* **Polyradiculitis**

Habilitation rights: *see under* **Civil rights**

Haemophilus influenzae, 1883
antibiotics, 1870
newborn infant, 1871, 1926
perinatal infections, 919
type b resistant to tetracycline isolated from children with meningitis, 951

Hair
brittle, with MR and normal stature, 3047
crown patterns of newborn infants, 23
root morphology as index of malnutrition, 1231, 2059

Halfway houses
for MR women; leisure activities, 800

Hallermann-Streiff syndrome: *see* **Hallermann's syndrome** *under* **Mandibulofacial dysostosis**

Hallervorden-Spatz syndrome: *see under* **Brain diseases**

Hallux
syndactyly with ulnar polydactyly and abnormal ear lobes (new syndrome), 3052

Haloperidol
effects on memory, attention, and activity in children, 727
teratogenic effects; limb malformations following maternal use, 2897

Halstead Neuropsychological Test Battery: *see under* **Minimal brain dysfunction**

Hand
hyperkeratosis of palm, with hyperkeratosis of plantar surface and gums, 3050
measurements in chromosome and multiple abnormalities, 2205

Hand abnormalities: *see* **Polydactyly** *under* **Abnormalities multiple**

Handicapped
achievement test performance, 1397
adoption agency procedures, 1738
attitude improvement course for teachers, 1501
audiovisual resources; bibliography, 1437
building design and barrier free access, 2649
career education, 2587
community and school program guidelines, 2492
community health services, 2656
computer based teacher training, 1471
coping behavior, 3086
identification, 3373
deaf-blind child; developmental assessment guide, 2483
delivery of health care, 2657
delivery of services in Baltimore, 2652
dentistry, 3397
driving records of special school pupils, 2766
due process guidelines for educational placement, 1418
early education; interdisciplinary approach, 1606
education, 3249
Education for All Handicapped Children Act of 1975; amendments, 3247
education legislation, 1426, 1427
education program assessment checklist, 1473
education, special; Project Serch, 1468
educational and social needs, 2541
educational facility design, 2520
educational needs assessment, 2504, 2505, 2506, 2507
family adaptation, 2708
federal nondiscrimination legislation, 2634
financial assistance to states for improved educational services, 1652
financing education, 1487
guidelines for accreditation of private schools, 1475
Handicapped Children's Early Education Program (HCEEP), 2535, 2536
identification, diagnostic, and evaluation programs, 856
inpatient developmental program, 3468
instructional materials, 2534
integrated early childhood program; teacher training model, 1430
integration into the regular classroom, 1527
language development program, 3320
legal rights handbook, 2722
legislation, 1653, 1654
leisure activities; research needs, 2699
mainstreaming, 1417, 3248, 3250, 3253
mainstreaming and early childhood education, 1489
mainstreaming guidance for school, 3303, 3306, 3309
mainstreaming in physical education, 1523, 2559
mainstreaming; student, parent, and community involvement, 3304
monitoring and attaining objectives for services, 2618
mother-child relations and early intervention, 1744
motor skills; therapeutic techniques, 3470
New York City Center, 1675
parental attitudes toward, 2702
parental needs, 3577
parental response to child; counseling considerations, 3570
parents as resource in diagnosis and assessment, 3578
parents' vulnerability, 3566, 3567
physically; attitudes and behavior toward, 1771
physically; risk exercise, 1735
physically; social stereotyping, 1769
physicians and parents, 3595
planning motor skill activities for children, 1277
play learning centers for preschool children, 1731
play therapy, 2615
preschool; at home education, 1474, 2502
preschool; early intervention model, 3258

preschool; visual materials catalog for identification and management, 1640
Project Head Start; child services, 1538
Project Head Start; parent counseling, 1755
psychological disorders in children with and without brain damage, 1999
recreation and leisure services program, 1732
recreation and physical education programs, 1730
regional education programs, 1419
research on family, 2709
in residential facilities, 786
respite care programs, 3495
in school; fostering positive attitudes toward, 1438
severely; basic instruction programs, 3340
severely; comprehensive needs study, 845, 1618
severely, in public schools; occupational therapy, 3448
severely, in rural areas; health care delivery, 2661
severely; Rehabilitation Act of 1973
severely; special education, 1483
severely; volunteer programs, 3519
severely and profoundly; advocacy, 2662
severely and profoundly; behavior therapy, 2624
severely and profoundly; body image, 2397
severely and profoundly; community adjustment, 2664
severely and profoundly; experience with objects, 2415
severely and profoundly; family, 2712
severely and profoundly; integration into community, 2663
severely and profoundly; language development, 2574
severely and profoundly; movement in space, 2569
severely and profoundly; sense training, 2567, 2568
severely and profoundly; socialization, play, and use of free time, 2697
severely and profoundly; special education, 2561, 2562, 2563, 2564, 2570, 2571
severely and profoundly; tactile stimulation, 2565
severely and profoundly; teaching communication, 2573
severely and profoundly; teaching self-care skills, 2572
severely and profoundly; vocational rehabilitation, 2593
sexual needs, 3222
sheltered workshops in industry, 3388
social adjustment, 3186
social barriers to normalization, 2647
special education, 2519, 2542, 2543, 2544, 2546, 2578, 3350
special education; after age 16, 2552
special education; community visit, 2548
special education; costs, 1434
special education; early childhood program, 1442
special education; environment structured for learning, 2547
special education; Hawaii state plan, 1510
special education; in Canada, 1445
special education; in Colorado, 1423
special education; materials bibliography, 2521
special education; placement, 2512
speical education; preschool, 2545, 3329
special education; Public Law 94-142, 2645
special education; in Sweden, 1446
specially trained teachers, 2553
students; educational assessment, 2493
students; music therapy, 2606
teachers' attitude toward, 3375
teachers' manual for working with parents of, 2511
teaching strategies, 3257
therapy by parents, 1745
vocational education, 1509, 2518
vocational education; evaluation model, 1525

Handicapped Children's Early Education Program: *see under* **Handicapped**

Happy puppet syndrome: *see under* **Abnormalities, multiple**

Head
circumference and communication hydrocephalus in infant after intraventricular hemorrhage, 1218
fetal; growth assessed by sonar cephalometry, 1229
growth of low birth weight infants; effect of thermal environment and caloric intake, 1226
size and intellect in intrauterine rubella, 962

Head Start: *see under* **Education, special**

Health education
EMR, 2526, 2527, 2528, 2529
learning disabled, 2523, 2524, 2525
TMR, 2530, 2531, 2532

Hearing
auditory discrimination and mental maturity in EMR, 436
auditory processing and language, 1289
impaired MR; institutional survey, 1698
teaching impaired child in regular classroom, 541

Hearing disorders
audiology, 825
Bill Wilkerson Hearing and Speech Center, Nashville, Tennessee, 3430
infant screening, 2800
mainstreaming children with, 3251
in MR; recommended services, 416
with neurological manifestations; special education, 1367
positive reinforcers for modification of processing skills, 1353
programs in state residential facilities, 730
vitamin and mineral therapy, 709

Heart auscultation
benign neonatal arrhythmias and Coxsackie B virus infection, 1935

Heart defects, congenital
blockage with multiple abnormalities, 2250
with ocular colobomata and other abnormalities, 2269
trisomy 9p syndrome, 1157
49,XXXXY syndrome, 1124

Heart injuries
ventricular septal defect in battered child syndrome, 2001

Hela cells
and multiple sclerosis, 173
photoactivated riboflavin effects, 2913
and subacute sclerosing panencephalitis, 173

Hematology
Down's syndrome, 2171

Hematoma, subdural
acute post-traumatic, in child abuse, 1994

Hemiatrophy: *see under* **Hemiplegia**

Hemiparesis: *see* **Hemiplegia**

Hemiplegia
acute, of childhood, with coxsackie virus infections, 1904
and hemiatrophy in congenital cytomegalovirus infection, 1875

Hemodynamics
of diazoxide, in mother and fetus, 151

Hemoglobins
Bart, in alpha thalassemia, 999
human fetal; postnatal change in abnormal conditions, 1957
Lepore, in Cyprus, 1959

Hemoglobins, abnormal
mass screening, 55

Hemolysis
intravascular, in midtrimester abortion, 68

Hemolytic disease of newborn: *see* **Erythroblastosis, fetal**

Hemorrhage
feto-maternal; risks in amniocentesis, 1811
intraventricular; head circumference and communicating hydrocephalus after, 1218
massive pulmonary, in newborn infant, 1272

Hemostasis
in newborn infant, 1965

Hepatic duct
hypoplasia, with multiple abnormalities, 2317

Hepatitis
in Fanconi syndrome; reversed by 25-hydroxycholecalciferol, 282
JHM mouse virus strain; recurrent demyelination, 912
in MRs; vitamin A levels as diagnostic indicator, 1852

Hepatitis-associated antigen: *see* **Australia antigen**

Hepatitis B: *see* **Hepatitis, homologous serum**

Hepatitis, homologous serum
fetal repetitive maternal-fetal transmission, 100

Hepatolenticular degeneration, 1072
acute hemolytic anemia as presenting manifestation, 271
juvenile; penicillamine therapy, 1103
Kaiser-Fleischer ring and associated cataract, 269
metronidazole, 2094
screening and diagnosis, 295
triethylene tetramine, 2074

Hereditary diseases, (*see also* specific disease) 705, 3020, 3025
effects of medical and social practices on frequency, 882
enzyme therapy, 706
familial dysautonomia; sural nerve, 366
familial glucocorticoid deficiency, 1090
familial opsonification defect, 936
of human red blood cells, 194
mass screening, 896, 1193, 2819, 2821
mass screening; state supported programs, 2820
phenylketonuria, metachromatic leukodystrophy, and nystagmus in Romany Gypsies, 11
prevention, 46, 47
prevention legislation, 42
recessive; heterozygote screening, 51
Wiedemann-Beckwith syndrome; hypothalamic pituitary function assessment, 307
X-linked; mass screening, 53
X-linked myotubular myopathy with fatal neonatal asphyxia, 2371

Hernia
hiatus, with congenital microcephaly, and nephrotic syndrome, 3054

Heroin addiction
maternal; effect on newborn infant, 142
pregnancy complicated by, 1892

Herpes simplex virus: *see* **Herpesvirus hominis**

Herpesvirus hominis, 1873, 1891, 2895, 2900
adenine arabinoside, 973
antibodies to types 1 and 2 in neoplastic change of uterine cervix, 2896
cotrimoxazole, 1911
cytarabine, 937, 1856, 1914
encephalitis, 180
encephalitis; EEG as prognostic sign, 911
encephalitis; immunoperoxidase, 941
encephalitis, in guinea pig, 110
encephalitis; in suckling mice, 111
genitalis; providone-iodine, 125
Guillain-Barre polyradiculitis, 1882
immunological basis for latency, recurrences, and putative oncogenicity, 168
isolated from cerebrospinal fluid in viral meningitis, 1873
gestational genital; risk following, 1931, 1937
latent infection of sensory ganglia; efficacy of immunization, 154
neonatal risk following late gestational genital infection, 1931, 1937
neutral red photosensitization, 126
nosocomial and maternally acquired, in newborn infant, 1932
photoinactivation treatment, 2869
recurrent, and herpes zoster, 136
recurrent; neutral red photodynamic sensitization, 1900
relationship to congenital malformation, 2868
serum immunoglobulins, 1881
thymidine kinase activity in cerebrospinal fluid of rabbit with, 2881
type 2, and cervical carcinogenesis, 149
type 2; interferon treatment, 115

type 2; isolation in aseptic meningitis, 135
type 2; polyvinylpyrrolidone, 127

Herpes zoster
and recurrent herpes simplex, 136
reduced IgA levels, 1890

Herpesvirus encephalitis: *see under* **Encephalitis**

Heterochromatin
interstitial, in i(Xq) in Turner's syndrome, 1143

Heterozygote
detection in lipid metabolism, inborn errors, 54
Hunter; Booth-Nadler technique for detection, 1063
mass screening for hereditary diseases, 51
mass screening in autosomal recessive biochemical disorders, 52

Hexachlorophene
neonatal staphyloccoccal disease, 1941
neurotoxicity, 901, 902, 946, 947
spongiform myelinopathy in premature infants, 906

Hexosaminidases
Sandhoff-Jatzkewitz disease, 1106, 1107

Hexosyltransferases
phenobarbital-induced - UDP-glucuronyltransferase activity toward bilirubin in fetal mouse liver, 184

Hip
abnormalities in cerebral palsy, 239

Hippel-Lindau disease: *see under* **Angiomatosis**

Hirschsprung's disease: *see* **Megacolon**

Histidinemia: *see under* **Amino acid metabolism, inborn errors**

Homocystinuria
amino-acids and collagen induced platelet aggregation, 2098
antithrombin activity, 2102
cystine deficiency, 2112
drug therapy, diet therapy, 3469

Homovanillic acid: *see under* **Phenylacetates**

Homozygote
mass screening in amino acid metabolism, inborn errors, 57

Hormones
estrogen progestogen therapy for Turner's syndrome; endometrial carcinoma, 351
growth; impaired response to physiological stimuli, 1077
growth; in Fanconi's anemia, 362, 992
parathyroid secretion during exchange transfusion in hyperbilirubinemic infants, 991
pregnancy tests; multiple abnormalities, 907
pregnancy tests; teratogens, 935

Hospital personnel
attitudes toward MR, 831, 833
in England, 3594
pediatricians and neonatologists in caring for sick newborn infant, 1765
preventive community work in MR, 2715
in residential facilities for MR, 3599
school for SMR; behavior therapy, 3428
SREB Attendant Opinion Scale; factor structure, 3239
simulation materials for superintendents and other management personnel, 1761

Hospitals
teachers, 1767

Hospitals, psychiatric
early infantile autism, 3533, 3534

Hospitals, special
for MR, in Wessex, England, 3531

Human rights, 750
denial of legal rights to Kentucky's MR offenders, 1688
due process for handicapped, 553
of the handicapped, 1569
income and employment rights of MR, 670
IQ tests and discrimination against minority groups, 1573
proposed sterilization in Sotos syndrome, 81
right not to be MR, 754
right to appropriate free public education, 596
third-party consent, 748
trust and estate planning for MR, 749

Hunter's syndrome: *see under* **Lipochondrodystrophy**

Hyaline membrane disease (*see also* **Respiratory distress syndrome**), **2378, 3080**
continuous positive airway pressure, 1249
early nasal end-expiratory pressure, 1259
multiple rib fracture from physiotherapy in newborn infant, 2372
pneumopericardium, 1257
pneumothorax in newborn infant, 1251

Hydantoins
sodium dantrolene in cerebral palsy, 2021

Hydramnios
diagnosed by fetography, 2789
in Myotonia atrophica, 367

Hydranencephaly: *see under* **Anencephalus**

Hydrocephalus
acute unilateral, as a complication of intraventricular surgery, 412
bobble-head doll syndrome, 2295
cerebral biopsy and brain damage assessment, 1185
from *Citrobacter diversus* meningitis, 974
communicating, and head circumference in infant after intraventricular hemorrhage, 1218
compressive head wrapping, 1186
congenital encephalo-ophthalmic dysplasia, 3069
Dandy-Walker anomaly, lissencephaly, and ocular abnormalities, 1182
Dandy-Walker syndrome and Arnold-Chiari deformity, 1174

early infantile, compared with catch-up head growth, 2305
ethical problems, 3068
infantile; isosorbide, 1195
intelligence, speech, and language-development, 382, 2306
isosorbide dinitrate,, 718
language behavior, 3076
measles viruses, 156
normal pressure; abnormal cerebrospinal fluid-blood flow dynamics, 1180
normal pressure, and cerebral atrophy; failure of pneumoencephalography to distinguish, 1780
normal pressure; ventricular size after shunting, 358
normotensive; diagnostic value of monamine acid metabolites and cerebrospinal fluid, 413
pulmonary valvular dysfunction in children with ventriculovenous shunts, 1216
sex-linked, 2272
Sylvian aqueduct syndrome, 357
and viruses, 148
from 6/94 parainfluenza type 1 virus, 905

Hydrocortisone
in kwashiorkor and protein-calorie malnutrition, 2947
levels in fetal scalp, maternal, and umbilical cord plasma, 406
measurement in human pregnancy, 885
possible adrenocortical insufficiency in postmature newborn infant, 2390

Hydrolases
variable activities in cultured skin fibroblast and amniotic fluid cells, 1785

Hydrometrocolpos
in newborn infant, 2387

Hydroxycholecalciferol
25, reversing hepatitis in Fanconi syndrome, 282

Hydroxytryptophan
5, and sleep in Down's syndrome, 325
5, in phenylketonuria, 1095

Hydroxyurea
inhibition of neuronal multiplication of rats *in utero*; maze learning after, 3125

Hymen
imperforate, with apocrine gland absence and ulnar ray and mammary gland hypoplasia, 3051

Hyperactivity: *see* **Hyperkinesis**

Hyperaldosteronism
typical facies with normal plasma volume, 2085

Hyperammonemia: *see under* **Amino acid metabolism, inborn errors**

Hyperargininemia: *see under* **Amino acid metabolism, inborn errors**

Hyperbilirubinemia
diagnosis of glucose-6-phospnate dehydrogenase deficiency, 2073
factors affecting increasing incidence, 200
maternal; urinary estrogen assays, 185
after oxytocin, 202
in premature infant; agar management, 982
sulfadimethoxine effect on bilirubin levels in rats, 2917
unconjugated, in galactosemia, 1962

Hyperbilirubinemia, hereditary
Gilbert's disease; epidemiology, 1948

Hyperbilirubinemia, neonatal: *see* **Jaundice, neonatal**

Hyperdibasicaminoaciduria: *see under* **Amino acid metabolism, inborn errors**

Hyper-gamma-globulinemia: *see under* **Globulins**

Hyperglycemia
in low-birth weight infants, 279

Hyperglycinemia: *see under* **Amino acid metabolism, inborn errors**

Hyperkinesis (*see also* **Brain damage, chronic; Learning disorders; Minimal brain dysfunction**), **207, 209, 214, 216, 1003, 1014, 1982, 1995, 2000, 2605**
amphetamine therapy, 2004
behavior therapy, 721, 728
behavioral and physiological comparison with normals, 3083
behavioral management, 2610
caffeine therapy, 226
in child with minimal brain dysfunction, 215
classroom behavior, 1993
disease model, 212
drug therapy, 211, 728, 1021, 1027, 1978, 2003
electromyographic biofeedback, 1022
electromyography, 1975
eye movements during problem solving, 1002
food additives, 1016
growth rebound after termination of drug therapy, 1991
haloperidol effects in children, 727
imipramine, 2630
imipramine and electrocardiographic abnormalities, 1997
imipramine and methylphenidate, 1998
juvenile delinquency, 210
lead-induced, 1988
learning under distraction conditions, 482
methylphenidate, 727, 1024, 1998, 2613
monitoring medication, 1019
optimal stimulation, 219
preceding alcoholism, 2920
pyridoxine hydrochloride effects on blood serotonin and pyridoxyl phosphate, 208
stimulation effects on activity and task performance, 233
suspension of drug treatment, 2919
in young MR; parental management, 223

Hyperlipidemias: *see under* **Lipid metabolism, inborn errors**

Hyperlipoproteinemia: *see under* **Lipid metabolism, inborn errors**

Hypernatremia, 317
as a cause of intracranial hemorrhage in newborn infants, 1955

Hyperornithinemia: *see under* **Amino acid metabolism, inborn errors**

Hyperparathyroidism
primary, during third trimester of pregnancy, 278

Hyperphenylalaninemia: *see under* **Amino acid metabolism, inborn errors**

Hyperpipecolic acidemia: *see under* **Metabolism, inborn errors**

Hyperprolinemia: *see under* **Amino acid metabolism, inborn errors**

Hypersarcosinemia: *see under* **Amino acid metabolism, inborn errors**

Hypertension
in pregnancy; intravascular volume expansion and fetal outcome, 873

Hyperthyroidism
in newborn infant; role of long-acting thyroid stimulator protector, 2084
in pregnancy; congenital effects of propylthiouracil and methimazole, 143
in pregnancy; propranolol, 138, 139

Hyperuricemia: *see under* **Uric acid**

Hypocalcemia: *see under* **Metabolism, inborn errors**

Hypoglycemia
glibenclamide, 1975
glucagon response to arginine infusion in low birth weight infants, 2331
glycerine intolerance, 2127
hypopituitarism, 2125
ketotic, and suprarenal gland calcification; plasma adrenalin, 2116
neonatal; endocrinological aspects, 2114
neonatal, in infants of insulin-dependent diabetic mothers, 1078
neonatal; neurological followup, 2095
Reye's syndrome manifestations without, 2890

Hypoglycorrhachia: *see under* **Meningitis, viral**

Hypogonadism
hypogonadotropic, in cerebellar ataxia, 2302

Hypoparathyroidism, 1076
thymus maldescent with pharyngeal pouch syndrome, 2117
vitamin D metabolites, 285

Hypophosphatemia: *see under* **Phosphates**

Hypopituitarism
hypoglycemia, 2125
pan; permanent, associated with maternal deprivation, 2124
primary, differentiated from primary hypothyroidism, 2093

Hypothyroidism
amino acid entry into brain and muscle, 1098
congenital; early diagnosis, 858
congenital; screening program, 273, 274, 289
neonatal screening, 1099
primary, differentiated from primary hypopituitarism, 2093
raised serum thyrotropin, 1080
thyroxine immunoassay using filter paper blood samples for screening of newborn infants, 2087

Hypoxanthine phosphoribosyltransferase
deficiency, X-linked, without neurologic manifestations, 1097

Hypoxanthines
levels and xanthine levels determined in plasma and urine in intrauterine hypoxia, 2370
as measure of hypoxia in fetus and newborn infant, 2369

Hypoxemia: *see* **Anoxemia**

Hypoxia: *see* **Anoxia**

I-cell disease: *see under* **Lipid metabolism, inborn errors**

Iatrogenic disease
rubella virus, 182

Ichthyosis
congenital, with hypogonadism, MR, and anosmia, 3053
congenital, with spastic paraplegia of adult onset, 1179
with MR, dwarfism, and renal impairment; new syndrome, 1183

Icterus: *see* **Jaundice**

Idiocy
idiot savant; calendar calculating ability, 445, 2429
idiot savant; case report, 3131

Idiot savant: *see under* **Idiocy**

Idoxuridine
in congenital herpes simplex, type 2, 115
in herpes simplex encephalitis, 129

IgA
in children with protein-calorie malnutrition, 248
reduced levels in Herpes zoster infection, 1890

IgC
levels in cerebrospinal fluid, 863
reduced levels in tuberous sclerosis, 3041
serum levels in Down's syndrome, 329

IgM
in amniotic fluid, as diagnostic of spina bifida, 383

raised levels in tuberous sclerosis, 3041
serum levels in Down's syndrome, 329

Illinois Early Prevention of School Failure Project: *see under* **Learning disorders**

Illinois Test of Psycholinguistic Abilities: *see under* **Psychological tests**

Imipramine
hyperkinesis, 2630
hyperkinesis; comparison with methylphenidate, 1998
hyperkinesis; electrocardiographic abnormalities, 1997

Immunity
fetal development, 2907
fetal malnutrition and postnatal immunocompetence, 2953
T-lymphocyte deficiency with familial cerebral palsy, 2010

Immunity, cellular
in kuru, Creutzfeldt-Jakob disease, and multiple sclerosis, 105

Immunization
efficacy in latent infection of sensory ganglia with herpesvirus hominis, 154
with herpesvirus vaccines, 965
infections in embryonic and perinatal period, 2882
practices for infants, 891

Immunoassay
screening for congenital hypothyroidism, 274

Immunofluorescence
measles, 1933

Immunoglobulins
hemolytic disease of newborn, 1947
levels in patients with Down's syndrome; effect of institutionalization, 323
Rh, in puerperal sterilization, 196
Rh, in Rh hemolytic disease, 191, 192
in sera of patients with subacute sclerosing panencephalitis, 2892
serum, in herpesvirus infections, 1881

Immunologic deficiency syndromes
Down's syndrome, 1165
hyper-gamma-globulinemia, 988

Immunology
Down's syndrome, 2173
herpes simplex virus; latency, recurrence, and putative oncogenicity, 168
Lesch-Nyhan syndrome, 2989
studies in pre-eclampsia, 1928

Immunosuppression
progressive multifocal leukoencephalopathy after, 1896
specificity; mechanisms of Rh prophylaxis, 1970

Incontinentia pigmenti: *see* **Abnormalities, multiple**

Incubators, infant
servocontrol; effects of low humidity, 2324

Indoleacetic acids
5-hydroxy, in normal pressure hydrocephalus, 413

Infant (*see also* **Infant, Newborn; Infant, premature**)
at-risk; assessment, 2793
at-risk; diagnostic risk scoring system, 2791
at-risk; present and future intervention strategies, 2834
auditory environment, 3126
Bacteroides fragilis septicemia and meningitis; treatment, 928
breech birth; sequelae of delayed spontaneous respiration, 1037
-caregiver interaction and development of high-risk infant, 3198
chronic brain damage; sequelae, 2918
cognition-motivation interrelationships, 3166
with congenital rubella; isolation from skin of rubella virus, 181
culturally disadvantaged; intellectual intervention program, 1325
death; autopsy, 846
development; effects of maternal education and ethnic background, 1342
development center, 1632
developmental status of neonatal intensive care unit survivors at 1 year of age, 420
developmentally delayed; education curriculum, 1478, 1479
developmentally delayed; family environment effects, 1747
with Down's syndrome; affective and cognitive development, 1375
handicapped; early intervention, 3429
hearing disorders; early intervention, 3430
herpes simplex encephalitis; cytarabine vs. idoxuridine, 129
high-risk; current and future special education needs, 3331
high-risk; early intervention, 1626, 2835, 2838, 3330
high-risk; early intervention programs, Latin America, 2836
high-risk; health care services, 1789
high-risk; intervention strategies, 2837
high-risk; neonatal and one-year old developmental examination related to fetal encephalography, 1847
high-risk; nursing, 3587
high-risk; special education, 3327
high-risk clinic, 2848
hydrocephalus; isosorbide, 1195
immunization practices, 891
of insulin-dependent diabetic mothers; neonatal hypoglycemia, 1078
intelligence; cross-cultural studies, 3169
intelligence; origins and development, 3165
intelligence; socioeconomic factors, 3168
intelligence; species patterns and individual variations, 3097
intelligence and affect, 3167
intelligence and learning capacities, 3172
intelligence in first 3 years of life, 3099
intelligence scales; predictability, 3232
intelligence test, 3100, 3226

intelligence tests; value and limitations, 3225
lactic acidosis; pyruvate dehydrogenase phosphatase deficiency as cause, 2970
lead poisoning, obscured by subdural effusions, 114
low birth weight; central nervous system function, 1233
low birth weight; early discharge from hospital, 2352
low birth weight; hyperglycemia, 279
low birth weight; maternal nutrition, 391
low birth weight; prevention of apnea and bradycardia, 1239
low birth weight; survival and physical growth, 2339
low birth weight; volume of feeds, 2347
magnesium load test, 392, 394
meconium aspiration syndrome; assisted ventilation, 1256
Mima polymorpha ventriculitis, 144
neuronal loss from enterovirus infections, 956
nonketotic hyperglycinemia with propionic acidemia, 275
normal, and with marasmus or kwashiorkor; catecholamine excretion in urine, 252
normal development of motor skills, 3091
Pasteurella multicoda meningitis, with recovery, 1905
physically disabled; bibliography of parent reactions, 3568
protein-calorie malnutrition; triiodothyronine and thyroid-stimulating hormone, 1057
respiratory distress syndrome and maternal thyroid status, 1270
screening and hearing disorder, 2800
screening for inborn metabolic errors, 2979
screening for speech and language disorders, 2799
severely handicapped; learning, 2452
skull transillumination, 30
small-for-date; maternal assessment of fetal activity, 2343
small-for-date; xenon-133 for assessing placental blood flow and detecting, 2866
small-for-date and postmature; blood coagulation, 1228
small-for-gestational-age; maternal protein depletion, 2349
small-for-gestational-age; placental pathology, 1230
spasms in tuberous sclerosis, 1039
starvation; effects on learning ability, 2453
sudden death, due to recognizable disease, 1273
survival with unoperated myelocele, 2265
surviving severe neonatal respiratory insufficiency; pulmonary mechanics, 2359
with tyrosinemia; biochemical effects of chloral hydrate, 2959
unilateral megalencephaly, 2260
very low birth weight; nasoduodenal versus nasogastric feeding, 1260
very low birth weight; total parenteral nutrition, 1234

Infant mortality
South Africa, 2760

Infant newborn
acute nonketotic hyperglycinemia; normal propionate and methylmalonate metabolism, 2086
agar effect on serum bilirubin levels, 1954
anticoagulant and multiple abnormalities, 1945
antiviral drugs; risks vs. benefits, 113
benign cardiac arrhythmias and coxsackie B virus infection, 1935
blood sampling; medical ethics, 1087
without blood type sensitization; cephalo-pedal progress of clinical icterus and serum bilirubin concentration, 2916
chromosome examination; purposes and ethical aspects, 1782
with congenital malformations; parental adjustment, 1748
convulsions; plasma concentrations of phenobarbital, 2140
costs of casualties, 2841
coxsackie virus infections and aseptic meningitis, 1938
cry; clinical analysis, 25
cytomegalovirus; prevalence, 137
cytomegalovirus-mononucleosis, 931
diagnosis of pneumothorax and pneumomediastinum by transillumination, 1246
diazepam in breast milk transferred to, 918
discretionary nontreatment; medical ethics, 2729
disease prevention, 2845
dynamic/static brain scintigraphy for brain diseases, 26
early diagnosis of congenital hypothyroidism and skeletal development disorders, 858
environmental factors, 2844
environmental risk and intelligence, 3171
euthanasia for defective, 2728
fetal distress and birth scores, 2361
fetal heart rate patterns and Apgar score, 400
fetal hemoglobin in estimating gestational age, 1846
gestational age and intrauterine nutrition effects on plasma transferrin and iron, 1223
glucaric acid excretion and bilirubin levels after phenobarbital treatment, 2914
gonococcal infection from fetal monitoring electrode, 2874
growth measurement, 2396
haemophilus influenzae, 1871, 1926
hair crown patterns, 23
hemostasis; abnormal proteolysis, 1965
herpes simplex; type 2 infection treated with interferon, 115
herpes simplex encephalitis; drug therapy, 1899
herpesvirus hominis, nosocomial and maternally acquired, 1932
of high-risk pregnant women; umbilical cord coagulation studies, 993
with hyaline membrane disease; multiple rib fractures from physiotherapy, 2372
hydrometrocolpos, 2387
hyperbilirubinemia and bacterial infection, 980
hypoglycemia; neurological followup, 2095
hypothyroidism; screening program, 273, 274
hypoxic; hypoxanthine measurement, 2369
incidence and impact of disease, 2748
indwelling radial artery catheterization, 40
intensive care; medical ethics, 90, 850
intracranial hemorrhage due to hypernatremia, 1955
Japanese and Caucasian; jaundice, neonatal, 994
jaundiced; comparison of single-direction and double-direction phototherapy, 995
lecithin/sphingomyelin ratio in hypopharyngeal aspirate, 2380
magnesium load test, 393
massive pulmonary hemorrhage, 1272

maternal heroin addiction effects, 142
with meningitis; kanamycin and gentamicin treatment, 917
metabolic disorders; screening, 91
methadone withdrawal symptoms, 164, 976
morbidity prevention, 387
mother-infant interaction, 3208
narcotic withdrawal score, 27
oxygen monitoring by electrodes, 899
pentazocine, 964
phenolic acid and alcohol excretion, 1067
phototherapy; influence on protein binding of bilirubin and salicylate and on activity of acetylsalicylic acid esterase, 1964
pneumothorax, 2355
pneumothorax in hyaline membrane disease, 1251
polymorphonuclear leukocyte control of gastric aspirate, 2356
possible adrenocortical insufficiency in postmature, 2390
predicting survival and development, 1284
propoxyphene withdrawal, 963
respiration; developmental changes in depth and rate responses to CO_2, 2395
respiratory distress syndrome; enzymes of lecithin biosynthesis in lungs, 2365
respiratory distress syndrome; pneumopericardium successfully treated during intermittent positive pressure ventilation, 2358
respiratory distress syndrome; variations of protease inhibitors, 2367
respiratory failure in myotonia atrophica, 1194
septicemia, 165
sick; function of pediatrician and neonatologist, 1765
single injection polyfructosan clearance in normal and asphyxiated, 2357
spinal cord injuries, 1017
staphyloccoccal infections; relationship to whole-body bathing with hexachlorophene, 1941
state-supported screening programs, 883
thyroxine immunoassay using filter paper blood samples for hypothyroidism screening, 2087
transcutaneous PO_2 monitoring, 2366
transport to intensive care units, 2619
tremor, 419
tri-iodothyronine, thyroxine, and thyrotropin concentrations in serum, 1079
ultrasonic cephalometry; fetal weight, 17
umbilical artery catheters; reduced thrombus formation, 1262
withdrawal symptoms following barbiturate management of epileptic mother, 929

Infant, premature
apnea; theophylline, 1238
apnea; xanthine, 1240
bilirubin levels; effect of seasonal variation in daylight, 987
gestational and postnatal age effects on ventilatory response to inhaling carbon dioxide, 1242
gestational and postnatal age effects on ventilatory response to inhaling 100 percent and 15 percent oxygen, 1241
head circumference and communicating hydrocephalus after intraventricular hemorrhage, 1218
head growth measures, 2346
hexachlorophene; neurotoxicity, 901
hexachlorophene; spongiform myelinopathy, 906
hyperbilirubinemia; agar management, 982
with intrauterine growth retardation; nerve distal latency time, 2327
lipid administered intravenously, 1236
lipid, protein hydrolysate, and glucose administered intravenously, 1235
low birth weight; chromosome studies, 2333
with MR; doctors not guilty of negligence, 2783
oxygen therapy and retrolental fibroplasia, 2323
perinatal outcome and referral age, 1295
prevention of prematurity and perinatal morbidity, 387
rebreathing method for measuring lung volume, 3078
respiratory distress syndrome; neonatal management and follow-up, 2353
respiratory distress syndrome; patent ductus arteriosus, 2382, 2384
respiratory distress syndrome; serum thyroxine levels, 1245
respiratory distress syndrome, with and without red blood cell volume, 2354
servocontrol incubators; effects of low humidity, 2324
skull transillumination, 1788
and small-for-date; ascorbic acid and tyrosine metabolism, 1225
transient tyrosinemia; method for detection, 2083
ventilatory response to carbon dioxide, 2332
vestibular stimulation effects on development, 1220
waterbed flotation effects, 1221

Infant Studies Project, UCLA: *see under* **Education, special**

Infant, Toddler, and Preschool Research and Intervention Project: *see under* **Community health services**

Infection
effects on intra- and extrauterine life, 2952
in embryonic and perinatal period; immunization, 2882
fatal, in children with protein-calorie malnutrition, 1049
fetal; diagnosis, 2906
fetal; routes of, 2905
after fetal monitoring, 39
iatrogenic, with rubella virus, 182
in infant, after maternal renal transplantation, 178
and low birth weight, 2336
and malnutrition; effect on infants, 2050
and maternal malnutrition; synergistic effect on fetus, 2341
and MR, 107
neonatal; catecholamine-binding brain protein in exposed mice, 2939
and nutrition in low birth weight, 2335
perinatal, caused by *Haemophilus influenzae*, 919

Influenza vaccine, 921
A/Hong Kong/68-ts-1 E (H_3N_2), 970
live attenuated trial in children, 955
live strains, 938, 939
subunits and liposomes; virosome formation, 950
type B, associated with Reye's syndrome, 2894

Information theory
organizational abilities and comprehension of connected discourse in EMR and normal children, 484

Insulin
alanine effects in protein-calorie malnutrition, 1053
dependent mothers; neonatal hypoglycemia, 1078
plasma response during intravenous glucose tolerance test, 1951
response to arginine infusion in idiopathic short stature, isolated growth hormone deficiency, panhypopituitarism and anorexia nervosa, 2932
secretion and glucose tolerance in protein-calorie malnutrition, 1052
secretion, glucose tolerance, growth hormone, and serum proteins in protein-calorie malnutrition, 2046
stress; endocrine response in early infantile autism, 1395

Insurance, health, 771
genetic counseling, 2826, 2827

Intelligence
borderline, with polydactyly, triphalangeal thumbs, brachydactyly, camptodactyly, congenital patella dislocation, short stature, and borderline intelligence, 3055
and brain development; biologically based intervention projects, 3132
and conceptual category knowledge in MR, 3156
development in children; significance of "why" questions, 3170
disability of autistic children, 3161, 3201
epigenesis in first 3 years of life, 3099
and head size in intrauterine rubella, 962
heritability of IQ, 852, 1330, 1339
in hydrocephalic children, 382
infant; cross-cultured studies, 3169
infant; environmental risk in fetal and neonatal life, 3171
infant; origins and development, 3165
infant; socioeconomic factors, 3168
infant; species patterns and individual variations, 3097
intervention program for culturally disadvantaged infants, 1325
IQ as factor in community lifestyle of previously institutionalized MR, 3515
IQ and schizophrenia; independent transmission, 94
language, short-term memory, outerdirectedness, and hypothesis testing, 1331
low, and trial competency, 2785
maternal; prediction of intellectual development of children, 811
MR, and reading achievement in 3 settings, 1497
and neuropsychological disability in autistic children, 3161
preinstitutional social deprivation, responsiveness to social reinforcement, and IQ change in MR, 2677
sensorimotor (Piaget), 3098
sex differences in IQ in Down's syndrome, 3024
visual perceptual maturity, 1274

Intelligence tests
Appalachian sheltered workshop, 2487
assessment teaching instrument for assessing educational characteristics of SMR and PMR, 1404
covariance adjustments for CA and MA in comparative studies of MR and non-MR, 3154, 3237, 3238
discrimination against minority groups and placement in special education, 1573
early infantile autism, 2485
infant, 3100, 3226, 3232
infant; value and limitations, 3225
labeling MR, 597
learning disorders, 454, 518
Modified Predictive Index, 2486
optimizing performance of MRs, 2408
Peabody Individual Achievement Test; comparison with other measures used to assess learning disorders, 1556
Preschool Readiness Experimental Screening Scale, 517
Revised Denver Developmental Screening Test, 3236
Slosson Intelligence Test for identification of MR preschool children, 527
System of Multicultural Pluralistic Assessment (SOMPA), 515
Wechsler Intelligence Scale for Children; minimal brain dysfunction, 525
Wechsler Intelligence Scale for Children; scores for dyslexia and learning disabled children, 526
Wechsler Intelligence Scale for Children-Revised; extrapolated intelligence quotients, 521
Wechsler Intelligence Scale for Children-Revised; factor analysis, 524

Intensive care units
low birth weight infants; growth and development following treatment, 1296
neonatal; developmental status of survivors at 1 year of age, 420
neonatal; medical ethics, 850
neonatal; transport, 2619

Interferon
in congenital herpes simplex type 2 infection, 115

Intrauterine devices
Rh sensitization, 990, 1961

Intrauterine growth retardation: *see under* **Growth disorders**

IQ: *see under* **Intelligence**

Iris
aniridia with absence of patella, 2279
anomalies with dissecting aneurysm of aorta, 3048

Iron
-anoxia brain lesions associated with serum hyperosmolality, 2360
cerebral; brain H^3-catecholamine metabolism, 2364
-hypoxia damage to cerebral neurons, 1244
plasma, in newborn infant; gestational age and intrauterine effects, 1223

Isolation syndrome: *see under* **Child development**

Isosorbide dinitrate
in hydrocephalus, 718, 1195

Jansky-Bielschowsky disease: *see under* **Amaurotic familial idiocy**

Jaundice
cephalo-pedal progress; serum bilirubin concentration in newborn infant without blood type sensitization, 2916

Jaundice, neonatal, 197
bacterial infection, 980
comparison of single-direction and double-direction phototherapy, 995
Crigler-Najjar syndrome; treatment comparison, 983
estimating concentration of unbound bilirubin in serum, 189
ferritin turnover in plasma, 2912
and glucose-6-phosphate dehydrogenase deficiency in New Guinea, 984
I rose bengal liver scanning in differential diagnosis, 1969
increased frequency in maternity hospital, 1971
Japanese and Caucasian newborn infants, 994
oxytocin, 1972
parathyroid hormone secretion during exchange transfusion, 991
phototherapy, 1964, 1968, 2625

Joints
generalized laxity and recurrent patella dislocation, 3056

Joseph P. Kennedy, Jr., Foundation: *see under* **Foundations**

Juvenile delinquency
hyperkinesis, 210
learning disorders, 210, 456

Juvenile Protective Association of Chicago, Illinois: *see under* **Child development**

Kala-azar: *see* **Leishmaniasis, visceral**

Kallman syndrome: *see under* **Abnormalities, multiple**

Kanamycin
treatment of neonatal meningitis, 917

Kanner's syndrome: *see* **Autism, early infantile**

Karyotyping
chromosomal polymorphism, 28
computerized registry of abnormalities, 1151
human polymorphism, 2185
International Registry of Abnormal Karyotypes, 2208, 2234
prenatal, of twins, by ultrasonically guided amniocentesis, 1831

Kayser-Fleischer ring: *see under* **Cataract**

KBG syndrome: *see under* **Abnormalities, multiple**

Keratosis
hyper; of plantar surface, palms, and gums, 3050

Kernicterus
lowered pH as a risk factor, 186
possible pathogenesis; bilirubin-ganglioside interaction, 2911
susceptibility; birthweight and bilirubin levels, 1946

Keto acids
branched-chain decarboxylation in maple syrup urine disease, 2958

Keymath Diagnostic Arithmetic Test
ability to diagnosis learning disorders, 1407

Kidney
of human and subhuman primates; absence of phenylalanine hydroxylase activity, 306
impairment, ichthyosis, MR, and dwarfism; new syndrome, 1183
renal aplasia, unilateral, in Kallman syndrome, 2299
transplanted, as source of cytomegalovirus infection, 1903

Kidney, cystic
dysplasia in trisomy C, 3012

Kindergarten
diagnosing learning disorders, 470

King Edward's Hospital Fund: *see under* **Foundations**

Klinefelter's syndrome, 346
bone mass estimated by cortical thickness of bone, 1131
D/D translocation, 2197
and maternal XX/XXX mosaicism, 1114
in South African Indians and Blacks, 2151
urinary testosterone excretion, 2188
47,XXY, 1134

Klippel-Trenaunay-Weber syndrome: *see under* **Angiomatosis**

Kniest syndrome: *see under* **Dwarfism**

Krabbe's disease: *see* **Leukodystrophy, globoid cell**

Kuru
changes in epidemiology, 945
evaluation of increased lability in Gc Ab-Ab individual, 1851
experimental, in spider monkey, 133
immunological response, 105

Kwashiorkor, 2055, 2056
adrenal gland function in infants, 249
bicarbonate excretion, 2036
catecholamine excretion in urine, 252
in Chicago, 2043
in children; leukocyte function and nitroblue tetrazolium reduction, 1050
cortisol and growth hormone, 2947
with disseminated intravascular clotting, 1055
and marasmus, 1062
and neuroblastoma, 255
rosette forming T-lymphocytes, 2061
serum albumin, 256
serum lipids and lipoproteins in children, 2034
Vivonex-100, 2065

Labeling, 597
effects on teachers of MR, 1413
process attitudes of teachers of EMRs, 557

Labia majora: *see under* **Genitalia, female**

Labor
electronic monitoring of fetal heart rate and electronic activity during, 195
fetal pH during fetal heart rate deceleration, 78
identification of high risk by labor nomogram, 1805
induced; perinatal mortality, 2851
monitored; sudden fetal death, 1827
uterine rupture in, 2350

Labor presentation
breech presentation; fetal distress in hyperextension of head, 1004

Lactic acidosis, congenital: *see under* **Metabolism, inborn errors**

Lactose
added to cow's milk for low birth weight babies, 1227

Lactosyl ceramide: *see under* **Galactosidases**

Lactosyl ceramidosis: *see under* **Metabolism, inborn errors**

Language (*see also* **Language development; Language disorders**)
auditory; syntactic abilities in normal and dyslexic children, 3146, 3147
auditory processing, 1289
-based curriculum for MR, 3346
behavior in hydrocephalus, 3076
computer stimulation program, 3162
concept attainment skills, short-term memory, outer-directedness, intelligence, and hypothesis testing, 1331
conditioning curriculum for autistic children, 3163
deficits in learning disabled adolescents, 1357
difficulties; Aston Index pilot instrument, 467
dyslexia as phenomenon of written, 468
early infantile autism studies, 2468
index for SMR and PMR, 2461
interrogatives in normal and MR children, 462
learning through imitation, 2436
nonprofessionals as teachers of MR children, 3319
nonspeech responses to verbal commands, 1595
patterns of interaction in the MR, 2435
program for preschool MRs, 1524
remedial teaching, 2558
research and teacher training, 2556
sign, for SMR and PMR, 1495
skills and communication in MR adolescent, 2399
slow-learning child; relational meaning and facilitation, 2450
teacher, in EMR classroom, 2557
teaching SMR to respond to cues, 626
testing development in MR children, 1398
therapy with schizophrenic and learning disabled children, 1549
training; behavior therapy, 703
training for learning disabled children, 1356
training for MR, 2430
training for SMR and PMR, 3347
training in summer camp, 577

Language development, 440
abnormal, in early childhood autism, 3129
assessment, 2437
in autistic children, 3101
behavior therapy, 3421
community-based training, 3325
in developmentally delayed preschoolers, 1328
in Down's syndrome, 2414
effect of individualized language program on TMR, 637
elicited imitation in MR as assessment technique, 2439
EMR; Manchester (England), survey, 2440
ethological approach to delayed acquisition, 2442
help from parents, 3579
high-risk child, 3128
hydrocephalic children, 382, 2306
infants, auditory environment, 3126
interactional strategies, 3118
PMR; Piaget's sensorimotor period, 1276
program for autistic children, 2501
program for severely handicapped children, 3320
receptive, in MR, 2438
role of social agent, 3117
severely and profoundly handicapped child, 2574
SMR; naming in delayed matching-to-sample, 1317
social agent and language intervention, 3119
standardized vocabulary for developing functional language in SMR, 3348
STYCAR developmental language test, 3233
teaching underlying cognitive skills to autistic children, 3315
TMR children's competence in processing negation, 3137
training language-delayed preschool children, 3370
verbal enrichment compared with structure approach, 2441

Language disorders, 536, 3160
in children; relationship between self-concept and achievement, sex, age, and IQ, 630
early infantile autism, 497, 499
early infantile autism; assessment and teaching, 1392
management in severely deaf and PMR children, 546
processing deficits in learning disorders, 466
production deficits in learning disorders, 463
screening in infant, 2799
screening in preschool children, 1368
speech pathologists and audiologists, 824

Laron's syndrome: *see under* **Dwarfism**

Larsen syndrome: *see under* **Abnormalities, multiple**

Laterality
learning and cognition, 458

Laurence-Moon-Biedl syndrome, 372

Lead
concentrations in blood, 183, 1888

Lead poisoning, 961, 2893
acute experimental; neurofibrillary changes, 2875
chelation therapy, 1854
chronic asymptomatic increased absorption; neuropsychological effects, 903
and diet, in children, 972

dose-effect and dose-response relationships, 969
from drinking water, and MR, 177
from earthenware container, 114
encephalopathy; neurofibrillary changes, 1907
hyperkinesis, 1988
in indoor pistol range, 1920
from lead-based painted wood, 977
management in children, 948
MR, 1886
neuropathy and sickle cell anemia, 112
obscured by subdural effusions, 114
pet foods, 145
prevention, 108
in rats; growth, behavior, and brain catecholamines, 155
screening program; nontreatment of intermediate blood lead levels, 952

Learning (*see also* **Paired-associate learning**)
action concept usage by MR and non MR, 3134
adaptive behavioral responses in EMR, 586
attentional model for reading-vocabulary training of MR, 3367
cerebral dominance and cognition, 458
to count money in TMR, 585
discrimination, of normal 6-year-olds and EMR adolescents, 479
distraction in normal, MR hyperkinetic, and minimal brain dysfunction children, 482
effects of infant starvation on abilities, 2453
effects of structure and praise on equivalence formation tasks, 489
EMR; letter discrimination training, 1314
EMR; paired-associated, 1577
EMR; structural variations in elaboration on learning, 1319
EMR; success and failure effects on situational expectancy, 1313
establishing conditional discriminations without direct training, 3143
Gagne's types and level of MR, 1324
incidental; in MR, 588
inductive and deductive methods; performance of MR and normal subjects, 634
and intelligence in infant, 3172
maze, by adult rats after inhibition of neuronal multiplication *in utero*, 3125
motor skill; visual and auditory feedback effects, 422
MR; cue salience, 3152
normal development, 2421
object construct; two procedures, 3141
observational; influence of verbalization on EMR children, 2403
perceptual; comparison of MR and non-MR children, 3138
potential; improving problem-solving skills of MR and non-MR children, 3158
problem-solving ability of MRs vs. normals, 1360
serial; training and transfer of clustering and cumulative rehearsal strategies in MR, 1318
severely handicapped infant, 2452
SMR and PMR; complex work tasks, 1621
spatial, cognitive development, and learning disorders, 453
to use bus transit system by MR, 2539

Learning disabilities: *see* **Learning disorders**

Learning disorders, 214, 450, 471, 1344, 1345, 1346, 1444, 1559, 2417, 2418, 2420, 2427, 2431, 2459, 2510, 3102, 3104, 3283, 3292, 3339, 3400
academic achievement and self-concept in children, 3372
academic deficit identification, 3297
academic learning theory, 3273
academic performance of children whose parents participated in program, 480
achievement screening, 1400
acoustic and associative variables in word retention, 491
activity guide for elementary classrooms, 1512
in adolescence, 2424
alleviating problem behaviors, 3405
applied behavior analysis, 1362
art therapy, 1300
assessment, 447, 3111
assessment and treatment, 2604
auditory discrimination of children, 1290
Bayesian screening of children, 1365, 1409
behavior analysis, 1546
behavior therapy, 720, 3418
bilingualism, multiple dyslexia, and polyglot aphasia, 2426
in British progressive schools, 465
business education teaching techniques, 2560
career attitudes and self-esteem among boys with and without, 507
cerebellar-vestibular dysfunction, dysmetric dyslexia, and dyspraxia; compensatory mechanisms, 2428
in children; behaviorally oriented programs, 1544
in children; educational identification, assessment, and evaluation, 3274
in children; mainstreaming, 3255
in children; remediation, 3275
in children; systematic instruction, 3277
in children; teaching, 3270, 3271, 3278
in chronic schizophrenia; inability to acquire new information, 477
classification system for prescribing remediation, 204
classroom behavioral styles, 1333
classroom observation, 1354
Classroom Screening Instrument, 1410
college programs, 3301
communication skills development in practitioners, 3583
comparison of diagnostic ability of KeyMath Diagnostic Arithmetic Test and California Arithmetic Test, 1407
comprehension of syntactic structures and critical verbal elements, 1369
correlation of standardized test results and observable behavior, 1336
creative dramatics course, 476
cross-age tutoring, 579
Denver Developmental Screening Test, 519
detection and evaluation, 2422
detection and remediation, 2454
detection in rural kindergarten children, 1338
Developmental Indicators for the Assessment of Learning; prekindergarten screening, 1412
diagnosis in kindergarten, 470
diagnosis and prescription, 1305, 3401
diagnostic tests, 3287
disease model, 212
DISTAR teaching program, 3276

drug therapy, 211, 457, 1349
education intervention program, 1432
education models, 1441, 3259, 3267
educational facilities, 446
educational guidelines, 3284
educational materials and equipment lists, 559
educational program design, 1518
educational support program for students; Project FAST, 1520, 1521, 1543
effect of perceptual-motor physical education program on self-concept of children, 623
effect of teacher and peer attitude and achievement on self-concept and status of pupils, 510
effects of teacher reinforcement on self-concept, 490
efficacy of psycholinguistic training, 581
elementary and secondary programs in U.S., 1352
elementary school, 2423
elicited imitation of varying sentence constructions, 1334
environmentally determined, 1350
family approach to therapy, 1646
federal screening programs, 2498
field study of students, 629
guidelines for parents, 1737
guidelines for pupil identification, 3298
guidelines for resource room for students, 1601
Halstead-Reitan Neuropsychological Tests, 464
health education curriculum guide, 2523, 2524, 2525
high-risk children identified, 1406
home teaching methods for parents, 2497
homonyms; prototypes for teaching, 6060
identification, 1323, 3103
identified at preschool level, 1364, 2482
Illinois Early Prevention of School Failure Project, 2460
Illinois Test of Psycholinguistic Abilities; diagnostic validity, 1405
improving instruction for children, 1548
incidence levels as function of defining criteria, 449
instructional guide, 608
interdisciplinary educational model, 1550
intervention programs, 452
juvenile delinquency, 210, 456, 1306
language deficits, 463, 466, 1357
language training for children, 1356, 1549
learned helplessness determinants in problem solving, 1327
learning systems approach to intervention, 451
legislative definitions as basis for special education programs, 1555
mainstreaming, 1428
management handbook for parents, 1746
mass screening, 213, 2419, 3105
mathematics for slow-learning students, 1561
and mild MR; functional similarities, 435
modeling and attention-retention, 1363
motor skills, 1287
MR; educational and psychopharmacological intervention, 2831
neurological evaluation, 459, 2433
neuroradiology, 1351
nonverbal disorders, 455, 3290
nonverbal visual short-term memory in children, 3173
odor preferences as reinforcers for academic tasks, 1335
operational definition, 3174
parental intervention, 812, 1749, 3279
PASS Model Project, 602
Peabody Individual Achievement Test; comparison with other assessment measures, 1556
perceived by school psychologist in early childhood center, 1303
perception and educational planning, 1304
perceptual and cognitive processes involved in piano study, 1309
perceptual motor activities, 1304
physicians' role, 832
positive reinforcers for modification of auditory processing skills, 1353
prekindergarten teaching program, 2503
preparing remedial materials, 3260
prevention and intervention, 1792, 1793
process dysfunction identification, 3296
program development and implementation, 636
Project SCREEN (Illinois), 1361, 1551, 1554, 1557
prototype evaluation studies, 472
psychological and educational evaluation, 454
reading ability assessed by Bender Gestalt Test and Visual Aural Digit Span Test, 1411
relationship between self-concept and achievement, sex, age, and IQ, 630
remediation strategies, 3402
remedial instruction; Child Study Center, 1537
remedial instruction; Project STEP, 1458, 1460
remedial physical education, 631
remedial program, 590, 3402
remedial tutoring for reading disabled children, 1552
remediation; developmental and basic processes models, 3403
remediation strategies, 3402
remediation; task, assessment, and management models, 3404
research trends and key figures, 3272
rigid behavior, 518
role of teacher consultant, 619
school health services, 1531, 2432
secondary school program, 1470
in the secondary school, 3293, 3294, 3295, 3299, 3300, 3302
self concept measures which are predictors of job success for children with, 1625
service program models, 3291
short-term memory in children, 2412
slow learners, 3281
slow learners; classification and causation, 3110
slow learners; habilitation techniques, 3280
slow learners; home-living training, 3569
slow learners; psychological growth, 3193
slow learners; psychology and education of, 3108, 3109
slow learners; social living skills, 3377
slow learners; vocational education, 3416
slow reading child; Z-score discrepancy method for identifying, 1408
social adjustment, 1359
soft neurological manifestations, 2434
spatial learning and cognitive development, 453
spatial orientation ability, 461
in spatially competent child, 1326
special education, 565, 1515
special education and academic achievement, 635
special pediatric evaluation, 1373
specifications for children's school, 627
Staggered Spondaic Word Test; screening children for

auditory dysfunction, 1292
Summarized Factorial Assessment Outline, 3230
summer compensatory education, 567
systems approach to education, 3261, 3262, 3263, 3264, 3265, 3266
tactile and visual integration to facilitate learning, 1291
task analytic assessment, 437
teacher-consultant model for remediation, 3244, 3245
teacher's notebook, 539
teaching approach, 605, 3282, 3285, 3286
teaching mathematics, 3289
teaching reading skills, 1433, 3288
teaching sentence comprehension skills, 607
teaching synonyms to learning disabled children, 603
teaching word recognition-sight vocabulary skills, 604
television for teaching sight words, 1371
therapies, acceptable and controversial, 444
Trail Making Test, 2488
verbal performance as function of input organization, 1355
visual and auditory channels, 1301
vocational training, 3383
Wechsler Intelligence Scale for Children scores, 526

Lecithins (*see also* **Phospholipids**)
biosynthesis enyzmes in lungs of newborn infant, 2365
de novo synthesis in fetal primate lung via choline incorporation pathway, 3079
/sphingomyelin ratio; blood or meconium effects, 1253
/sphingomyelin ratio; comparison with gastric aspirate in respiratory distress syndrome, 2376
/sphingomyelin ratio; complicated pregnancy, 1828
/sphingomyelin ratio; hypopharyngeal aspirate of newborn infant, 2380
/sphingomyelin ratio; respiratory distress syndrome, 2377
/sphingomyelin ratio; test for fetal lung maturity compared with rapid surfactant test, 1252
/sphingomyelin ratio in assessment of fetal maturity, 66, 71, 895, 1802, 1829
/sphingomyelin ratio and fetogram in estimating fetal maturity, 63
stimulation by dexamethasone in fetal lamb, 1255

Legislation
accountability of professionals to the handicapped, 734
commitment and habilitation of MR offender, in Kentucky, 1686
constitutional litigation for MR offenders, 1666
court cases, 733, 736, 753, 2721
criminal law; special doctrinal treatment, 759
criminal reform movement and the MR, 761
definitions of learning disorders as basis for special education programs, 1555
Developmental Disabilities Services and Facilities Construction Act of 1970; West Virginia plan, 744
Education for All Handicapped Children Act amendments, 3247
education for brain-damaged children, 2784
education for developmentally disabled, 534, 600
education for the handicapped, 1426, 1427, 2632
federal; handicapped nondiscrimination, 2634
fetal research, 3481, 3482
fetal viability; legal aspects, 3486, 3487
genetic counseling; medico-legal aspects, 2828
group home for handicapped children, 2720
guardianship law, 747
handicapped, 1653, 1654
legal rights of MR in Israel, 3491
legal status of fetus, 3484, 3485
low intelligence and trial competency, 2785
mandatory mass screening for genetic disorders, 3478
mental health and MR lobbying groups, 738, 739, 740, 741, 742, 743, 745
MR; civil commitment, competency, and guardianship proceedings, 3492
MR; commitment statutes in Kentucky, 2719
MR, in Australia, 3476
MR and the law, 751, 1664, 1665, 3494
premature infant with MR; doctors not guilty of negligence, 2783
prevention of hereditary diseases, 42
prevention of MR and developmental disabilities, 2637
protection of MR school residents from abuse, 2782
rehabilitation and developmental disabilities, 2639
special education (Ninety-third Congress), 1568

Leigh's disease: *see* **subacute necrotizing encephalomyelopathy** *under* **Brain diseases**

Leigh's subacute necrotizing encephalopathy: *see under* **Brain diseases**

Leishmaniasis, visceral, 163, 934

Leisure activities
in halfway house for MR women, 800
for handicapped; research needs, 2699

Lesch-Nyhan syndrome
diagnosis of carrier state, 1105
immunological observations, 2989
phosphoribosylpyrophosphate overproduction, 301
self-mutilation; prevention, 1102

Lethal faciocardiomelic dysplesia: *see under* **Abnormalities, multiple**

Leukemia
acute granulocytic, with incontinentia pigmenti (Bloch-Sulzberger syndrome), 3073

Leukocytes
in aspartylglucosaminuria, 1100
biochemical diagnosis of cystinosis, 2078
function in children with kwashiorkor, 1050
peripheral blood; detecting carrier state for fucosidosis, 1104
polymorphonuclear; content of gastric aspirates in newborn infant, 2356
ultraviolet and x-ray irradiation induced chromosome aberrations in Down's syndrome, 3037
urea cycle enzymes in hyperammonemia, 2956

Leukodystrophies: *see under* **Cerebral sclerosis, diffuse; and specific leukodystrophy**

Leukodystrophy, globoid cell
chemical pathology, 2014, 2015
clinical and enzymatic studies, 1029

and metachromatic; comparative study of myelin fractions, 2009
ultrastructure and chemical pathology, 1030

Leukodystrophy, metachromatic
arylsulfatase activity, 237
electrophysiology, 246
and globoid cell; comparative study of myelin fractions, 2009
homozygote and heterozygote detection in lymphoid cell lines and peripheral leukocytes, 2011
juvenile onset, 1034
in Romany Gypsies, 11
variant O form, 2007

Leukonychia totalis: *see under* **Abnormalities, multiple**

Ligandin: *see under* **Carrier proteins**

Light therapy: *see* **Phototherapy**

Lipid metabolism, inborn errors (*see also* **specific condition**)
congenital generalized lipodystrophy, 2113
heterozygote detection, 54
hyperlipoproteinemia; portacaval shunting, 290
I-cell disease, 2100
mucolipodosis III (pseudo-Hurler polydystrophy)
Niemann-Pick disease, 2103
polyunsaturated fatty acid lipidosis, 2115
screening for hyperlipidemias, 45

Lipidosis: *see* **Lipid metabolism, inborn errors**

Lipids
human amniotic fluid; fatty acid composition, 14
intravenous, in premature infants, 1235, 1236
metabolism in low birth weight infants; intravenous fat emulsion effects, 2328
serum, in children with kwashiorkor, 2034

Lipochondrodystrophy
Hunter's syndrome; Booth-Nadler technique for detection, 1063
mucolipidosis III (pseudo-Hurler polydystrophy) with carpel tunnel syndrome, 2097

Lipoproteins
serum, in children with kwashiorkor, 2034

Liposomes
virosome formation from influenza subunits and, 950

Lirutrin: *see under* **Vaccines**

Lissencephaly: *see under* **Abnormalities, multiple**

Listeria monocytogenes
septicemia in pregnancy, 140

Liver
cystic dysplasia in trisomy C, 3012
deficiency of sphingomyelinase II in Niemann-Pick disease, 2967
of human and subhuman primates; phenylalanine hydroxylase activity, 306
inadequate copper storage in Menkes' kinky hair syndrome, 293
mitochondrial respiration; protection by ligandin against bilirubin toxicity, 2910
ornithine transcarbamylase deficiency, 2118
phenobarbital induced UDP-glucuronyltransferase activity towards bilirubin in mouse fetus, 184

Liver cirrhosis
juvenile diabetes mellitus, and 47XX,21+/46,XX chromosome pattern, 1149

Liver diseases
hepatic encephalopathy; neurotransmitter metabolism, 1908
hepatic encephalopathy; octopamine, 1041
hepatomegaly, hyperipipecolic, and acidemia, MR, optic nerve dysplasia, and progressive neurological disease, 2110

Locomotion
in cerebral palsy; prognosis, 241

Longevity
in Down's syndrome in British Columbia, 319

Lowe's syndrome: *see under* **Abnormalities, multiple**

Lumbar puncture: *see* **Spinal puncture**

Lung
fetal; amniotic fluid analysis and maturity, 408, 2379
fetal; lecithin/sphingomyelin ratio and maturity, 1802
fetal; lecithin/sphingomyelin ratio and rapid surfactant test for maturity, 1252
hypoplasia, ankylosis, and facial anomalies, 3044
hypoplasia, camptodactyly, multiple ankylosis, and facial anomalies, 3045
hypoplasia with Peters anomaly, 3017
mechanics in infants surviving severe neonatal respiratory insufficiency, 2359
newborn infant; lecithin biosynthesis enzymes and respiratory distress syndrome, 2365
surfactant in fetal lamb; acceleration of appearance by dexamethasone, 1255
volume; method for measuring in premature infant, 3078

Lung diseases
massive pulmonary hemorrhage in newborn infant, 1272
peripheral pulmonary cystic disease in sibs, 3018
pulmonary hypertension, accelerated bone development, peculiar facies, failure to thrive, and respiratory problems, 3046

Lymph nodes
atrophy in protein-calorie malnutrition, 1049

Lymphocytes
pleocytosis from tetracycline in bacterial meningitis, 959

Lysinuric protein intolerance: *see under* **Amino acid metabolism, inborn errors**

Lysosomes
storage disorders; diagnosis by ultrastructural examination of skin, 1082

Lysyl oxidase: *see under* **Amino acid oxido reductaces**

3-M syndrome: *see under* **Dwarfism**

Macro-orchidism: *see under* **Testes**

Magnesium
deficiency; chromosome abnormalities in maternal and fetal rat tissues, 2033
load test for infants, 392, 393, 394

Mainstreaming, 1507, 1523, 1589, 2490, 2496, 3308
attitudes toward TMR following recreation program, 2698
children with speech disorders, 3254
early childhood education for handicapped, 1489
EMR; resource room manual, 1500
EMR children, 2489
guidance for schools, 3303, 3305, 3306, 3309
handicapped children, 1417, 3248, 3250, 3253
hearing impaired children, 3251
learning disabled children, 1428, 3255
MR, 3242, 3363
MR; correlates of success, 1516
MR; effects on classroom social behavior, 1498
physical education and training, 1490, 2559
preservice teacher training, 3307
resource room handbook, 1480
and special education; observation of pupils and teachers, 1459
special education programs, 1477
student, parent, and community involvement, 3304
visually impaired children, 3252

Malnutrition: *see under* **Nutrition disorders** (*see also* **Kwashiorkor and Protein-calorie malnutrition**)

Malonates
methyl; normal, in acute neonatal nonketotic hyperglycinemia, 2086

Malpractice
in mass screening for hereditary disease; liability of practitioners, 3584

Mandibulofacial dysostosis
Hallermann's syndrome with progeria, 2249

Mannosidosis: *see under* **Metabolism, inborn errors**

Maple syrup urine disease
branched chain keto-acid decarboxylation, 2958

Marasmus: *see* **Protein-calorie malnutrition**

Marburg electrode: *see under* **Electrodes**

Marfan's syndrome: *see* **Arachnodactyly**

Maroteaux-Lamy syndrome: *see* **Mucopolysaccharidosis 6**

Marriage
eugenic state regulation, 2823

Marshal syndrome: *see under* **Abnormalities, multiple**

Mass screening, 38, 868, 897
abnormal hemoglobins, 55
alpha 1 antitrypsin, 1268
assessment and intervention for young children at developmental risk, 2790
blood lead levels in children; nontreatment of intermediate, 952
CIP; determining preschool handicapped, 13
congenital hypothyroidism, 273, 274
developmental disabilities, 1724, 2806
developmental disabilities and learning disorders, 2419
Down's syndrome, 337
Early and Periodic Screening, Diagnosis, and Treatment Program (EPSDT), 867, 2792
four-year-olds, in Uppsala County, Sweden, 2849, 2850
genetic disorders; mandatory, by government, 3478
handicaps in preschool children, 1818
hereditary diseases, 51, 52, 54, 57, 896, 1193, 2819, 2820, 2821
hereditary diseases; liability, 3584
high-grade MR; utility, 2862
human genetic disorders, 2859
hyperlipidemias, 45
inborn metabolic errors, 1089, 2978, 2979
language disorders, in preschool children, 1368
lead poisoning, 108
learning disorders, 213, 2498, 3105
neonatal, for hypothyroidism, 1099
neural tube defects, 2257
newborn for metabolic disorders, 91
phenylketonuria; influence on incidence of MR, 2980
phenylketonuria; New York state program, 268
phenylketonuria; program comparison, 2096
state-supported neonatal programs, 883
X-linked hereditary diseases, 53
XYY genotype, 2994, 2995

Mathematics
addition and subtraction; manual notation system, 574
for adult MR in sheltered workshops, 686
arithmetic word problems; effect of extraneous information on Spanish-speaking MR, 478
for EMR, 538
manual multiplication, 573
for slow-learning students, 1561

Measles
acute enteritis; protein-losing enteropathy and absorption, 1878
antibodies and immunoglobulin in serum from patient with subacute sclerosing panencephalitis, 2892
epidemiology, 162
with facial paralysis, 1909
immunofluorescence, 1933
in malnourished children; intestinal protein loss, 915
mortality; primary cause of death, 1940
serosurvey among nonurban pediatric population, 1939

Measles vaccines, 147
alone and combined with mumps and rubella vaccines, 916, 1877
combined with rubella vaccine, 2887
live attenuated, in malnourished children; reduced secretory antibody response, 1925
provision for urban South African population, 1863

Measles viruses
altered immune response in subacute sclerosing panencephalitis, 173
and hydrocephalus, 156
persistence and thymic dysplasia in sudden infant death, 932

Meckel syndrome: *see under* **Spina bifida**

Meconium
aspiration syndrome; assisted ventilation in infants, 1256
aspiration syndrome; end-expiratory pressure, 1258
effects on lecithin/sphingomyelin ratio, 1253
staining; significance, 888

Mediastinal emphysema
in infants with respiratory distress syndrome; continuous positive airway pressure, 1248
in newborn infants; transillumination, 1246

Medical staff
school health team and school health physician, 2432

Meeting Street School Parent Programs for Developmental Management: *see under* **Community health services**

Megacolon
with congenital heart malformation, broad big toes, and ulnar polydactyly in sibs, 2258
Hirschsprung's disease and congenital deafness, 1176

Megaencephaly: *see under* **Abnormalities, multiple**

Memory
free recall and organization, in EMR, 1322, 2404
free recall in learning disorders, 1355
recognition, in MR, 1312
short-term, concept attainment skills, outerdirectedness, intelligence, and hypothesis testing, 1331
short-term, in learning disabled children, 2412, 3173
short-term, in MR; dimensional independence, 3136
short-term, in MR; release from proactive interference, 2409
traces of motor efferent discharges for learning skilled movement, 2444

Meningitis
amino acid composition of cerebrospinal fluid, 913
aseptic, and coxsackie virus infection in newborn infant and children, 1938
Bacillus anthracis, 1895
bacteremia and lumbar punctures, 1889
bacterial, 166, 920
bacterial; cerebrospinal fluid lactic acid dehydrogenase activity, 1927
bacterial; lymphocyte pleocytosis from tetracycline, 959
Bacteroides fragilis, in infant; treatment, 928
Citrobacter diversus, 974
drug therapy, 1859
gas-liquid chromatographic analysis of cerebrospinal fluid lactic acid, 1861
gram-negative bacillary, aminoglycosides, 117
Haemophilus influenzae type b resistant to tetracycline isolated from children with, 951
lumbar punctures, 1885
lymphocytic, and amyotrophic lateral sclerosis, 926
neonatal; aminoglycoside-resistant *Escherichia coli*, 124
neonatal; kanamycin and gentamicin treatment, 917
neonatal; sulphamethoxazole/trimethoprim treatment, 2612
Pasteurella multicode in infant, with recovery, 1905
Proteus morganii; trimethoprim and sulfamethoxazole, 158
purulent; pathogenesis, 2888

Meningitis, haemophilus, 975, 1912
limulus lysate assay in cerebrospinal fluid, 150

Meningitis, meningococcic, 942, 1924

Meningitis, tubercular: *see* **Tuberculosis, meningeal**

Meningitis, viral
herpes simplex virus isolated from cerebro-spinal fluid, 1873
hypoglycorrhachia, 960

Meningocele
intrathoracic, associated with von Recklinghausen's disease of nerve, 2315

Meningococcal infections
prophylaxis, 2898

Meningoencephalitis
acute; downbeat nystagmus as sign of brainstem involvement, 1893
cryptococcal; presenting as psychosis, 914
epidemics; echovirus type 7 and coxsackie virus type B5, 132
mumps; cerebrospinal fluid abnormality, 118
mumps; radioactive bromide partition test, 1922
primary amebic; amplification, 1936

Meningomyelocele: *see under* **Spina bifida**

Menkes' steely-hair syndrome: *see under* **Metabolism, inborn errors**

Mental health services, 2864

Mental retardation, 10, 438, 439, 847, 849, 1777, 2743, 2777, 2778, 2864
as academic major, compared with speech and hearing major, 3362
acquiescence as a personality variable, 3153
action concept usage by MR and non MR, 3134
adaptive behavior development of PMR over time, 3179
Adaptive Behavior Scale, short form, 3234
adjustment of institutionalized adults to independent living, 3220
Administration on Aging, 1657
aging, 1278, 1279, 1280, 1281, 1282, 1283
aging; President's Committee on MR, 1656
ambiguous genitalia with 46,XY,T(9;10) translocation and 9q deletion, 3016
anosmia as index of low viability in PMR, 2786
attitudes toward, 3500
audience effects on MR performance of simple and complex tasks, 3178
aversive conditioning in public facilities, 3439

behavior modification; institutional implementation, 3411
behavior modification training for staff, 3593
behavior therapy, 3412
behavior therapy for dressing behavior of SMR girls, 3450
behavior therapy for SMR, 3419
behavior therapy for SMR and PMR, 3445
behavior therapy for self-help activities, 3449
behavior therapy for weight loss among SMR, 3452
behavioral concomitants of PMR, 3176
bibliography, 854, 874
brittle hair and normal stature, 3047
case law developments, 2721
child adoption; coping ability of adopting parents vs. natural parents, 3574
chromosome abnormalities, 3003
chromosome 6; long-arm deletion, 1171
chromosome 6; ring, 1156
citizen advocacy; coordinator's guide, 1685
civil commitment, competency, and guardianship proceedings, 3492
civil rights, 2773, 2781
civil rights; legal representation, 2772
civil rights of MR in the community, 3516
civil rights of MR in criminal process, 2771
civil rights in residential facilities, 3556
classification and due process, 3517
classification and terminology; AAMD manual, 840
cognitive development, 2413, 3154
cognitive psychology, 3120, 3121, 3122
commitment statutes in Kentucky, 2719
communication in adolescents; response to listener feedback, 2451
communications model, 433
community attitude toward, 3554
community based services, 1679, 1680, 1758
community based services development; New South Wales, 3501
community health services; longitudinal assessment, 3514
community health services, in England, 3493
community health services, in Nebraska, 3510
community placement of MRs from residential facilities, 3550
competency level effect on acceptance of the integrated EMR student, 3368
computerized statistical data in Western Australia system, 2795, 2796
conceptual category knowledge and intelligence, 3156
conditioning (psychology); stimulus trace deficit, 3113
congenital ichthyosis, hypogonadism, and anosmia, 3053
conservation of number, 3112
content in curricula of graduate schools of social work, 3356
contingent reinforcement effects on classroom behavior, 2402
counseling parents, 3600
craniofacial abnormalities and osseous defects, 2285
and crime, 1689
current court cases, 1659, 2646
daily living skills curriculum, 1467
data bases and privacy rights, 2763
day care centers for adults, 2653
deafness, onychodystrophy, and osteodystrophy, 3039
deinstitutionalization and normalization, 838
deinstitutionalization of aged MR in the community, 3498
delivery of health care, 2660
delivery of health care; Texas, 2668
delivery of health care; Dade County, Florida, 3499
delivery of health care for prevention, Virginia, 1850
dentistry, 1641
developing motor skills, 3342
development level predictive tests for preschool MR, 2481
development of social competence, 3410
diagnosis and treatment failures, 855
differential reinforcement for SMR, 3389
differentials in characteristics between city and suburban admissions to state clinic, 2623
distal brachyphalangy of the thumb, 2253
early communicative behavior, 3107
early intervention, 58
Early Periodic Screening, Diagnosis and Treatment, 2856
Eastern Nebraska Community Office of Retardation (ENCOR), 3530
economics, 2760
education of SMR and PMR, 2495
education of TMR, 2531
educational and medical intervention, 2831
employment; types of jobs undertaken, 3380
employment success, 3382, 3384
establishing play behavior, 2701
etiological factors, 2832
etiology; relationship to maternal age and birth order, 870
etiology and epidemiology, 48
excessively verbose MR resident; management, 3437
experimental research in India, 2745, 2754, 2755, 2756
fame of individual MRs, 842
family of SMR, 3572
framework for relative psychology, 2750
free recall and organization in EMR, 1322
genetic prognosis in severe, 1
group toilet training, 3451
guardianship throughout the world, 1762
health care delivery, 2633
health education for EMR, 2526, 2527, 2528, 2529
health education for TMR, 2530, 2532
high grade; admission and discharge from residential facilities, 3557
high-grade; utility of screening, 2862
history of attitudes in the U.S., 2780
history of state care in Texas, 2744
hospital personnel in residential facilities, 3599
humanitarian and cost-benefit considerations, 2770
ichthyosis, dwarfism, and renal impairment; new syndrome, 1183
improving services in Great Britain, 3409
inborn metabolic error detection; mass screening method of Brian Turner, 2798
in India, 839
influence of mass screening for phenylketonuria on incidence, 2980
informed consent in PMR, 2775
inmates in adult and juvenile correctional institutions in Kentucky, 1691, 1718

inmates in Kentucky prisons, 1720, 1721, 1722, 1723
institutional transfer of PMR and increased mortality rate, 3540
institutionalized children; adoptive behavior, 3155
intercepting socioeconomic factors, 2853
international review of research, 2753
Joseph P. Kennedy, Jr., Foundation, 3524
juvenile offenders; adjudication process, 1692
juvenile offenders; services and facilities, 1690
King Edward's Hospital Fund for London, England, 3525
knowledge among undergraduate and graduate students, 2762
language and communication training, 2430
lead poisoning, 1886
learning; cue salience, 3152
and learning disorders; functional similarities, 435
learning to use bus transit system, 2539
legal rights of MR in Israel, 3491
legislation in Australia, 3476
legislation on commitment and habilitation of MR offender, in Kentucky, 1686
levels; Gagne's learning types, 1324
mainstreaming, 3242
maintenance of the MR diagnosis, 2765
manic-depressive psychosis, 3151
maximum security institution for offenders, in Kentucky, 1719
mental deficiency study projects in Australia, 2768
and mental illness; attitudes of faculty and advanced students, 1682
metabolic disorders survey of MR in Fiji, 2767
microcephaly, 1207
mild; variables in prevalence, 2764
moral and cognitive development, 3157
motor skill development in PMR, 3344
MR as instruments of change, 3565
multiple abnormalities; possible new syndrome, 3049
nomenclature, 844
nonverbal communication in PMR, 3175
normalization, 3513, 3526
normalization in Denmark, 3527
normalization in Ontario, Canada, 3529
normalization in Sweden, 3528
nurse training in behavior therapy, 3407
nutrition and prevention, 2857, 2858
offenders in Kentucky; denial of legal rights, 1688
optimizing intelligence test performance, 2408
paired associate learning; research findings, 3133
parent-child relations, 2706
Parent Training Technology System, 3573
parental relief program in residential facilities, 1702
parents; peer support program, 2703
parents; voluntary health agencies, 3582
perceptions of psychological distance to parents among institutionalized, MR, and normal children, 1742
photic stimulation effects, 2406
physical education for children, 2700
placebo therapy, 3441
PMR in sheltered workshops, 3323
PMR research, 2774, 2776
practices in estimating prevalence, 2758
in premature infant; doctors not guilty of negligence, 2783
President's MR Committee, 1660, 2640
prevalence in Queensland, Australia, 2769
prevention, 46, 47, 49, 1837, 1838, 2860, 2861
prevention; fetal monitoring, 1799
prevention; legislation, 2637
prevention; parent and delivery of health care, 2704
prevention; values clarification, 2852
preventive community work by hospital personnel, 2715
preventive strategies, 2863
problem solving and outerdirectedness, 3159
problems, and legislation, 3494
problems of diagnosis, 434
professionals, and litigation, 3522
progressive osseous changes, microcephaly, coarse facies, and flat nasal bridge, 2282
projected needs through year 2000, 1662
protection of school residents from abuse, 2782
psychiatric inpatient and day care facilities, 2714
psychological tests for SMR and PMR, 3235
psychologists trained in, 1760
public attitudes toward, 2746
public awareness efforts, 843
public relations; the media, 3521
pupillary dilation during cognitive processing in EMR, 2411
rational diagnosis, 1783
reflection-impulsivity and reading recognition ability, 3135
rehabilitation for incarcerated offenders; legal arguments, 1687
relative psychology and theory of evolution, 2749, 2752
remote-control aversive stimulation in treating head-banging in MR child, 3442
residential facilities, 3547
residential facilities; architectural implications, 3562
residential facilities; changing patterns, 3558
residential facilities; decision to institutionalize, 1703
residential facilities; England, Wales, and N. Ireland, 2671
residential facilities; L'Arche (Trosly, France), 3563
residential facilities; Missouri, 2670
residential facilities; origin and characteristics, 3561
residential facilities and normalization, 3559, 3560
respite care program, 3495
role of clergy, 2716
routine and fluorescence microscopic examination in normal adults and MR children, 2185
self-concept of children, 1401
self-monitoring of weight, 3417
self-mutilation, 3211
self-mutilation; behavior therapy, 3455
self-reinforcement and external reinforcement, 3460
SMR autistic child; behavior problems and management, 3434
SMR child; social reinforcement therapy, 3473
sex chromosome abnormalities, 3035
sex education, 3361
sex education; path analysis of parents' conservatism, 3352
sex education; resource curriculum, 2576
sex maturation, 3191
sheltered workshops in South Australia, 3381
short-term memory; dimensional independence, 3136
sleep disorders of PMR, 3081
social adjustment of MR in community, 3210
social environment after graduation, 3512
social facilitation of performance, 3223

socialization program for young adult, 3215
sodium glutamate, 2620
somatotropin deficiency and dwarfism, 2068
South Carolina Department of MR; report, 2650
special hospitals in Wessex, England, 3531
state delivery programs, 2636
state restrictions on marriage, 2823
stimulus over-selectivity, 2410
stimulus-trace differences between normal adult and MR, 3116
Summarized Factorial Assessment Outline, 3230
TMR; social worker in public day school, 1759
TMR children's language development; processing negation, 3137
teacher training curriculum, 1472
teaching manual for the nonverbal, 2513
teaching walking to SMR, 3343
terminology, 8, 841, 1776
territoriality in PMR, 3177
as thinking disability, 2751
toilet training program, 3398, 3438
token economy programs, 2607, 3408, 3440
trace and delay conditioning performance of normals and MRs, 3114
trends in services for the aged, 3496
University-affiliated facilities, 3523
using level of MR to categorize the MR, 3227
visual fixation responses in PMR, 3082
vocational adjustment of graduates of sheltered workshops, 2592
vocational education, 1508, 3322
vocational rehabilitation, 1611, 3378, 3387
voluntary health agencies, 3420
voluntary health agencies in Canada, 3532
voluntary sexual sterilization, 2824
voting practices of MR, 1681
X-linked, 1778

Meprobamate
during pregnancy; teratogenic effects, 1855

Mercury
fetal/maternal ratios, 2871

Mercury poisoning, 1857, 1866

Mescaline
chromosome effects, 2239, 2241

Metabolic diseases
incidence among MR in Fiji, 2767

Metabolism
carbohydrate, in Prader-Willi syndrome, 1109
mineral, and growth in very low birth weight infants, 2330
neurotransmitter, in hepatic encephalopathy, 1908
pyruvate, in Friedreich's ataxia, 2929

Metabolism inborn errors (*see also* **Amino acid metabolism, inborn errors; Lipid metabolism, inborn errors; and specific syndrome**)
association with maternal metabolic disorders, 2991
carnitine deficiency, 294, 2105
citrullinemia; enzymatic evidence for genetic heterogeneity, 2957
copper metabolism; inherited disorders, 277
cystathioninuria; vitamin B_6-responsive and -unresponsive, 297
folic acid metabolism, 262, 287
formiminoglutamic aciduria in siblings, 2971
fucosidosis, 263
fucosidosis; carrier state detection in peripheral blood leukocytes, 1104
galactokinase deficiency, 1073
galactosidase, GM_1; molecular genetics of beta galactosidase, 2109
glycosidases in human skin fibroblast culture, 2076
hyperammonemia due to ornithine transcarbamylase deficiency; therapy, 1108
hyperammonemia in Reye's syndrome, 957
hyperpipecolic acidemia with hepatomegaly, MR, optic nerve dysplasia and progressive neurological disease, 2110
hypocalcemia, 1076
hypocalcemia, early neonatal, 1066
I-cell disease; liver beta-D-galactosidase characterization, 2081
infant screening, 2979
lactic acidosis; pyruvate dehydrogenase phosphatase deficiency as cause, 2970
lactic acidosis, congenital; absence of pyruvate decarboxylase activity, 298
lactosyl ceramidosis; beta-galactosidase, 299
mannosidosis; clinical features, 270
mannosidosis; findings in cultured fibroblasts and urine, 2985
propionic acidemia; prenatal diagnosis, 2988
propionic acidemia management; 2-methylcitrate effect on citrate metabolism, 2961
mass screening, 1089
mass screening method of Brian Turner, 2798
mass screening newborn infants, 91
Menkes' kinky hair syndrome, 277
Menkes' kinky hair syndrome; copper infusion therapy, 272, 288, 310
Menkes' kinky hair syndrome; copper metabolism, 1083
Menkes' kinky hair syndrome; inadequate copper storage in liver, 293
Menkes' kinky hair syndrome; pathogenesis and treatment, 2982
myopathy with chronic lactic acidemia, growth failure, and nerve deafness, 281
primary high-density lipoprotein abnormalities, 2987
with progressive osseous changes, microcephaly, coarse facies, flat vocal bridge, and severe MR, 2282
Sandhoff-Jatzkewitz disease; characterization of hex S, 1106
Sandhoff-Jatzkewitz disease; hexosaminodase isozyme, 1107

Methadone
withdrawal in newborn infants, 164, 976

Methimazole
for hyperthyroidism in pregnancy; congenital effects, 143

Methylmalonic acidemia: *see under* **Amino acid metabolism, inborn errors**

Methylphenidate
effect on audiometric EEG analysis of children with minimal brain dysfunction, 1020
effects on memory, attention, and activity in children, 727
hyperkinesis, 1024, 2613
hyperkinesis; comparison with imipramine, 1998
minimal brain dysfunction, 218, 2629
minimal brain dysfunction; effects on physical growth and later drug abuse, 1996
minimal brain dysfunction; idiosyncratic reaction, 1018

Metronidazole
hepatolenticuler degeneration, 2094

Microcephaly
battered child syndrome, 1011
congenital, with hiatus hernia and nephrotic syndrome, 3054
familial multiforme ventricular extrasytoles with short stature and hyperpigmentation, 2286
and MR, 1207
with progressive osseous changes, coarse facies, flat nasal bridge, and severe MR, 2282
with short-limbed dwarfism, 1206

Microscopy, electron
adrenoleukodystrophy, 1081

Milk
cow's; added lactose and sucrose for low birth weight babies, 1227
intolerance and malnutrition, 257

Milk, human
diazepam in breast transferred to newborn infant, 918

Mimae infections
Mima polymorpha ventriculitis in infant, 144

Mima polymorpha ventriculitis: *see under* **Mimae infections**

Minerals
learning disorders, 709

Minimal brain dysfunction (*see also* **Hyperkinesis; and Brain damage, chronic**), **206, 217, 227, 232, 1985, 1986, 1987**
deep relaxation exercises, 1979
Halstead Neuropsychological Test Battery, 228
in hyperactive child, 215
learning under distraction conditions, 482
medication effects on audiometric EEG analysis of children, 1020
methylphenidate, 218
methylphenidate; effect on physical growth and later drug abuse, 1996
methylphenidate; idiosyncratic reaction, 1018
methylphenidate and caffeine therapy, 2629
minimal field dependency, 228
relationship between self-concept and achievement, sex, age, and IQ in children, 630
parental management style; effects on self-concept, impulse control, and drug response, 1386
psychotherapy, 225
psychotherapy; techniques for involving children, 1645
and schizophrenia; brain-anoxia, 2375
thyrotropin-releasing hormone, 1023
Wechsler Intelligence Scale for Children; pattern analysis, 525

Mitochondria
phenylalanine hydroxylase activity; inhibition in phenylketonuria, 309

Mohr's syndrome: *see* **Oro-facial-digital** *under* **Abnormalities, multiple**

Monitoring systems
electrodes for fetal monitoring; newborn infant infection from, 2874

Mononucleosis
associated with subacute sclerosing panencephalitis, 2903
-cytomegalovirus in newborn infant, 931

Monoparesis: *see under* **Paresis**

Monosodium glutamate: *see* **Sodium glutamate**

Monosuperocentroincisivodontic dwarfism: *see under* **Dwarfism**

Morals
and cognitive development in MR, 1378
development and predicted vocational success, 690
development in MR, 3157

Morquio syndrome: *see under* **Mucopolysaccharidosis**

Mosaicism
amniotic fluid cell cultures, 2228
diploid-triploid human with cytogenetic evidence of double fertilization, 2202
in discordant monozygotic twins; gonadal dysgenesis, 1117
euploid, with trisomy 8, 1123
maternal XX/XXX, and Klinefelter's syndrome, 1114
ring Y chromosome without, 3006
sex chromosome; alpha-anti-trypsin phenotype, 2199
trisomy 8 47,XX,+8/46,XX, 1154
XO/XX, with HGH deficiency and marginal impairment of other hypothalamic-pituitary functions, 2232
X/XY or X/XY/XYY, 2213
Y chromosome; lack of fluorescence; 336
45,X/45,Xdic(Yq); mixed gonadal dysgenesis, 2155

Mother-child relations, 3199
behavioral patterning; consequences, 3197
caregiver-infant interaction and development of the high-risk infant, 3198
early intervention for handicapped, 1744
maternal depression and child development, 443
permanent hypopituitarism associated with maternal deprivation, 2124
and self concept, 514
teaching styles of mothers and performance of MR preschool children, 3353
training mothers of children with Down's syndrome, 1147

Motivation
and brain function; effects on reading disability, 1343
EMR performance; self-attribution to ability, effort, task difficulty, and luck, 1316

Motor skills, 426
acquisition of simple motor imitative behavior in MR and non-MR, 1275
auditory and visual feedback effects on stabilomotor task, 423
Basic Movement Performance Profile standardized for PMR in residential facilities, 428
behavior therapy, 3420
cerebral palsy, 417
cerebral palsy; physical therapy, 242
deficient; remedial physical education, 631
developing, in MR, 3342
developing, in PMR, 3344
disability of autistic children, 3201
dynamometric grip strength in mildly handicapped children, 2398
handicap and prognosis in childhood epilepsy, 316
in handicapped; therapeutic techniques, 3470
learning disorders, 1287, 1304
memory traces of motor efferent discharges for learning skilled movement, 2444
normal development in infant, 3091
perceptual-motor ability related to gross-motor performance, 427
perceptual-motor disabilities; research, 1288
planning activities for handicapped children, 127
repeated trials, physical fitness, and perceptual-motor performance scores, 431
sensory training and body image, 421
testing manual, 2393
of TMR children; effect of teacher type and instructional time, 429
training; visual component, 1286
training effects on blind SMR and PMR, 424
visual and auditory feedback effects on EMR and normal learning, 422
of young adults with cerebral palsy; mechanical efficiency in bicycle ergometer work, 2017

Mucolipidosis III; *see under* **Lipid metabolism, inborn errors**

Mucopolysaccharides
dextran effects on glycosaminoglycan excretion in Sanfilippo syndrome, 300
measuring urinary levels, 2075
proteoglycans; abnormalities in pseudoachondroplasia and Kniest's disease, 2933
mucopolysacchariduria with Kniest syndrome, 2038

Mucopolysaccharidosis
3; dextran effects on glycosaminoglycan excretion, 300
4 (Morquio syndrome); dental manifestations, 2092
6; arylsulfatase B deficiency, 2974
6; arylsulfatase B mutant, 280
6; myelopathy, 1084

Multiple sclerosis
and Hela cells, W-29, 173
immunological response, 105
and subacute sclerosing panencephalitis, 173

Mumps
meningoencephalitis; cerebrospinal fluid abnormality, 118
meningoencephalitis; radioactive bromide partition test, 1922

Mumps vaccine
alone and combined with measles and rubella vaccines, 916
mumps-measles-rubella trivalent vaccine, 1877

Mumps virus
-induced embryonic growth retardation; biological and chemical pathogenesis, 2045

Muscle tonus
hypo-, and cerebral malformations possibly related to enteroviral infections, 2891

Muscles
Down's syndrome, 2181
rectus femoris release in cerebral palsy, 244

Muscular diseases
coxsackie viruses, 175
hereditary carnitine deficiency, 2090

Muscular dystrophy, 1191

Music therapy, 707
background music for repetitive task performance of SMR, 3467
emotional, academic, and physical benefits, 1591
for handicapped students, 2606

Myelin
in Down's syndrome, 341
inhibiting and neuroelectric factors in experimental allergic encephalomyelitis, 153
spongiform myelinopathy from hexachlorophene in premature infant, 906

Myelocele: *see under* **Spina bifida**

Myelofibrosis
Down's syndrome, 1146

Myelomeningocele: *see* **Meningomyelocele** *under* **Spina bifida**

Myocarditis
coxsackie viruses in child, 159

Myoclonus
encephalopathy, and neuroblastoma, 247

Myotonia atrophica, 1196, 1197
electrophysiology, 2296
hydramnios, 367
respiratory failure in newborn infant, 1194
in 47,XXY male, 2180

Myotonic dystrophy: *see* **Myotonia atrophica**

NADH, NADPH oxidoreductases
dihydropteridine reductase deficiency in phenylketonuria, 284, 286, 1093, 2072

Narcotics
central nervous system congenital malformation in hamster, 1913
withdrawal score in newborn infant, 27

Nathalie syndrome: *see under* **Abnormalities, multiple**

National Academy of Sciences
genetic screening policy, 96

National Center on Educational Media and Materials for the Handicapped, 6

National Collaborative Infant Project: *see under* **Community health services**

Neisseria gonorrhoea
newborn infant infection from fetal monitoring electrode, 2874

Neoplasms
familial presacral teratomas, 2277
uterine cervix; antibodies to herpesvirus hominis types 1 and 2, 2896

Neoplasms, embryonal and mixed
sacrococcygeal teratoma, fetal; elevated alpha-feto protein levels, 2922

Nephroblastoma
B-C chromosomal translocation, 2207

Nephrotic syndrome
with congenital microcephaly and hiatus hernia, 3054

Neural tube defect: *see* **specific defect**

Neuroblastoma
catecholamine excretion levels, 1035
congenital, with disseminated intravascular coagulation, 2012
electron microscopy, 1042
familial, 1040
and kwashiorkor, 255
and myoclonic encephalopathy, 247
occult, and cerebellar ataxia without opsoclonus, 1032
screening procedures; false-negative results, 1043

Neurofibromatosis
and Hippel-Lindau disease coexistent in a family; common gene etiology, 2008
multiple; fatal malignant degeneration, 240
mutation rate in Russia, 3000
neonatal; unusual manifestations with malignant clinical course, 2020
von Recklinghausen's disease of nerve, associated with intrathoracic meningocele, 2315

Neurohumors
disorder in dihydropteridine reductase deficiency variant of phenylketonuria, 2072
metabolism in hepatic encephalopathy, 1908

Neurologic examination
biochemical diagnosis of disorders, 2794
in learning disorders, 459

Neurologic manifestations (*see also* **specific manifestation**)
associated with rubella virus infection, 1853
auditory aphasia, dyslexia, cortical blindness, optic atrophy, apraxia, and dementia, 236
classroom behavior, 1993
dyslexia, 1302
with hearing disorders; special education, 1367
hexachlorophene, in human premature infants, 901
hexachlorophene, in young rats, 902
hypoxanthine-phosphoribosyltransferase deficiency without, 1097
lead posioning, 903
of meningeal tuberculosis, 141
with optic atrophy, sex-linked, 1118
organic, in childhood, manifesting as psychiatric disorder, 860
in paint sniffing, 949
peripheral neuropathy in Leigh's encephalomyelopathy, 2029
phenylketonuria, 2129
rectal biopsy, 857
SMON (subacute myeloopticoneuropathy); viral therapy, 953
soft, in learning disorders, 2434
toxoplasmosis, 904
traits accompanying inherited, 2273
unspecific neuropathy in hereditary ataxia and related disorders, 1203
in XYY syndrome, 333

Neuronal ceroid-lipofuscinosis: *see under* **Amaurotic familial idiocy**

Neurons
cerebral; hypoxia-ischemia damage, 1244
in human brain; density in normal, SMR, and aging, 93
hydroxy urea inhibition *in utero*, in rats; maze learning after, 3125

Neurosurgery
stereotaxic, for cerebral palsy, 2006, 2016

Neurotransmitters: *see* **Neurohumors**

Neutral red: *see under* **Phenozines**

Nevus
sebaceous syndrome, with porencephaly and nonfunctioning cerebral venous sinuses, 2263

Niemann-Pick disease
detecting homozygotes and heterozygous carriers, 308
sphingomyelinase deficiency in skin fibroblasts, 2968
type A; ultrastructure of nerves and muscles, 2103
type C; sphingomyelinase II deficiency in liver and brain, 2967

Nitroblue tetrazolium: *see under* **Tetrazolium salts**

Normalization, 3210
and behavior therapy, 3447
Down's syndrome, 1678

drawbacks and alternatives, 3543
family training center, 3509
least restrictive alternative, 758
MR, 1496, 3513, 3526
for MR, in Denmark, 3527
for MR, in Ontario, Canada, 3529
for MR, in Sweden, 3528
residential facilities for MR, 2672, 3559, 3560
slow learners, 3281

Norsynephrine
hepatic encephalopathy, 1041

Nuclear medicine
dynamic/static brain scintigraphy for brain diseases in newborn infant, 26

Nucleotidyltransferases
galactose-1-phosphate uridyl transferase in fibroblasts; isozymes in normal and variant states, 2992

Nurse practitioner
role with children with minimal brain dysfunction, 3591
training in behavior therapy with SMR, 3407
triage abilities as compared to pediatricians, 2717

Nurses
developmental disabilities screening tools, 2802
public health, and child abuse, 3598
public health; home visit for diagnostic evaluation, 3596
-therapists-teachers for handicapped, 1766

Nursing, 822
attitude of students toward MR, 834
and habilitation committee, conference on early intervention with high risk infant and young children; recommendations, 3589
high-risk infants, 3587

Nutrition, 823
child, 3092
child health in a northern Swedish county, 2064
for developmentally disabled, 2945
infection in low birth weight, 2335
measures and early infant development in urban poverty setting, 2062
nasoduodenal versus nasogastric feeding in very low birth weight infants, 1260
prevention of MR and developmental disabilities, 2857, 2858
status; weight/length classification, 2060
Ten-State Nutrition Survey of 1968-1970, 1059, 1060
total parenteral, in low birth weight infants, 1234, 2351

Nutrition disorders (*see also* **Kwashiorkor; Protein-calorie malnutrition**)
chromosome abnormalities, 3022
fetal; foam test and fat cell count, 33
magnesium or zinc deficiency; chromosome abnormalities in maternal and fetal rat tissues, 2033
malnutrition, 254
malnutrition; animal models, 2051
malnutrition; effects on intra- and extra-uterine life, 2952
malnutrition; environmental enrichment by early adoption, 258
malnutrition; food antibodies, 1056
malnutrition; free serum thyroxine level and basal metabolic rate, 2044
malnutrition; hair root morphology as index, 2059
malnutrition; milk intolerance, 257
malnutrition and brain development, 1045
malnutrition and measles; intestinal protein loss, 915
malnutrition, childhood; reduced secretary antibody response to measles and polio-virus vaccines, 1925
malnutrition, childhood; weight and height as criteria, 259
malnutrition, fetal; postnatal immunocompetence, 2953
malnutrition, maternal, and alkaline RNase in placenta, 1044
malnutrition, maternal, and fetal growth, 2949, 2950
malnutrition, maternal, and infection; effects on child growth and development, 2050
malnutrition, maternal, and infection; synergistic effects on fetus, 2341
malnutrition, maternal, and low-birth weight, 390, 391, 1058, 2337, 2338, 2943
malnutrition, maternal, and low birth weight; Dutch famine, 2039, 2040, 2058
malnutrition, maternal, in Central America and Panama, 2948
malnutrition, maternal, in Thailand, 2951
malnutrition, maternal; placental effects, 2067
malnutrition, perinatal; catecholamine-binding brain protein in exposed mice, 2939
placental function and malnutrition, 2944
under-nutrition; catch-up growth, 2939

Nystagmus
classroom behavior, 1993
downbeat, as sign of brainstem involvement in acute meningoencephalitis, 1893
in Romany Gypsies, 11

Obesity
in SMR; behavior therapy for weight loss, 716

Object construct: *see under* **Learning**

Obstetrics
steroid hormone radioimmunoassays, 1808
teratology, 879

Occupational therapy, 646, 647, 701
adapting equipment to physically handicapped, 414
daily living activities, 702
for severely handicapped, in public schools, 3448

Octopamine: *see* **Norsynephrine**

Oculocerebrorenal syndrome: *see under* **Abnormalities, multiple**

Omphalocele: *see under* **Umbilical cord**

Operant conditioning: *see* **Behavior therapy**

Ophthalmologia: *see under* **Abnormalities, multiple**

Opitz trigonocephaly syndrome: *see under* **Abnormalities, multiple**

Optic atrophy: *see under* **Eye manifestations**

Ornithine carbamoyltransferase
deficiency, in hyperammonemia; therapy, 1108
deficiency, in Reye's syndrome, 122
liver deficiency, 2118

Ornithine transcarbamylase: *see* **Ornithine carbamoyltransferase**

Orofacial-digital syndrome: *see under* **Abnormalities, multiple**

Orthomolecular therapy: *see under* **Vitamins**

Osteogenesis imperfecta, 2297
autosomal recessive inheritance, 2271

Osteomyelitis
after fetal monitoring, 39

Otodental dysplasia: *see under* **Abnormalities, multiple**

Oxygen
consumption in newborn infant; determining pulmonary gas exchange, 1789
monitoring by electrodes in newborn infant, 899
PaO_2 effects on fetal distress, 2381
in premature infant; gestational and postnatal age effects on ventilatory response to inhaling 100 percent and 15 percent oxygen, 1241
transcutaneous PO_2 monitoring of newborn infants, 2366

Oxygen therapy
and retrolental fibroplasia in premature infants, 2323

Oxymethalone
Fanconi's anemia, 992

Oxytocin, 1956
challenge teet; fetal heart rate pattern, 395
challenge test in high-risk pregnancy, 396, 1264, 1797, 1820
effect on instillation-to-abortion time, 893
neonatal hyperbilirubinemia, 202, 1956, 1972
water intoxication in saline-induced abortion, 887

Ovarian dysgenesis: *see* **Mosaicism**

Ovary
polycystic; features in women with Turner's syndrome, 2200
X chromosome loss in aging, 67

Pain
chronic, in behaviorally abnormal children; diagnosis and treatment, 3084

Paint
sniffing and cerebellar dysfunction, 949

Paired-associate learning, 3142
of EMR, 1332, 2400
induced success and failure effects, 473
of MR; research findings, 3133
verbal elaboration; 2456, 2457

Pancreas
cystic dysplasia in trisomy C, 3012

Para-influenza viruses
type 1 isolate from multiple sclerosis brain tissues; hydrocephalus, 905

Parent Training Technology System: *see under* **Family**

Parenteral feeding
Wernicke encephalopathy following, 2032

Parenteral hyperalimentation
cortical cataracts following, 2879
phosphorus depletion on long-term, 2066

Parents (*see also* **Family; Mother-child relations**)
abusive; therapy, 1000
adjustment to infants with congenital malformations, 1748
adoption of MR child, 3574
attitudes toward handicapped, 2702
of autistic child; responsibility for care, 3508
of battered children; child-rearing practices, 220
as behavior therapists, 3576
"brain damaged" (parody on special services), 809
characteristics in etiology of early infantile autism, 499
of child with cerebral palsy; needs, 2927, 2928
of children with learning disorders; program for, and its effects on child's performance, 480
collaboration with school in behavior therapy, 3427
Committee conference on early intervention with high risk infants and young children; recommendations, 3571
delivery of health care and prevention of MR and developmental disabilities, 2704
denial in management of SMR, 816
of developmentally disabled; communication course, 1739, 1780, 1741
disclosing XYY karyotype to, 324
education program evaluated by mothers, 806
education program (Ohio State University), 808
effects of positive contact on child behavior, 1384
effects of refraining from surgery on spina bifida child, 3065
guidelines for assisting MR children with learning at home, 1588
of handicapped; as therapists, 1745
of handicapped; home safety inventory, 801
of handicapped; information service, 804
of handicapped; needs, 3577
of handicapped; Project Head Start counseling program, 1755
of handicapped; teacher's manual for working with, 2511
help in child development, 3580
help in language development, 3579
of high-risk infants; health care service, 1789
intervention programs in learning disorders, 812
intervention with academic high risk preschool children, 1580

involvement in special education, 805
involvement program (Memphis State University), 807
of learning disabled, 3279
of learning disabled; behavior management training, 1749
of learning disabled; guidelines, 1737
of learning disabled; home learning methods, 2497
of disabled; management handbook, 1746
of learning disabled; parental counseling, 818
management of hyperkinesis in young men, 223
management style effects on self-concept, impulse control and drug response in minimal brain dysfunction, 1386
of MR, 802, 815
of MR, acting as teachers, 1751
of MR; attitudes toward professional help, 817
of MR; behavioral and reflections group therapy, 820
of MR; counseling, 3463, 3600
of MR; educational program, 625, 1750
of MR; research, 2706
of MR; voluntary health agencies, 3582
of MR and developmentally disabled; volunteer visitation programs, 2703
perception of behavior of, self-concept, and social behavior of EMR adolescents, 1383
perception of psychological distance to parents among institutionalized, MR, and normal children, 1742
predictors of parent involvement with institutionalized MR, 2707
of preschool handicapped; home instruction, 1474
programs for developmental management, 3503
reactions to physically disabled infants; bibliography, 3568
relations with professionals, 803
relations with teachers, 1753
as resource in diagnosis and assessment of handicapped child, 3578
response to handicapped child; counseling considerations, 3570
of slow learners; home-living training, 3569
volunteer program for severely handicapped, 3519
vulnerability to handicapped child, 3566, 3567
of XYY sons; revealing karyotype, 352

Parents Anonymous: *see under* **Child abuse**

Paresis
mono (Erb's palsy) in respiratory distress syndrome after continuous positive airway pressure, 1250

PASS Model Project: *see under* **Learning disorders**

Pasteurella
multicoda meningitis in infant, with recovery, 1905

Patau's syndrome: *see under* **Chromosome abnormalities**

Patella
absent, with aniridia, 2279
congenital dislocation with multiple abnormalities, 3055
recurrent dislocation and generalized joint laxity, 3056

Peabody Individual Achievement Test, 1400
validity as screening instrument for learning disorders, 1556

Peabody Rebus Reading Program: *see under* **Reading**

Pediatricians: *see under* **Physicians**

Pediatrics
changing patterns of care, 3588
committee conference on early intervention with high risk infants and young children; recommendations, 3590

Penicillamine
in juvenile hepatolenticular degeneration, 1103

Pentazocine
withdrawal in newborn infant, 964

Pentenoic acid: *see under* **Valerates**

Pentosephosphates
phosphoribosylpyrophosphate overproduction in Lesch-Nyhan syndrome, 301

Perception
in autistic children; coding of sensory stimuli, 3130
cognitive-spatial and visual-perceptual, and reading skills, 1370
and educational planning in learning disorders, 1348
Frostig Program for the Development of Visual Perception, 1580
learning; comparison of MR and non-MR children, 3138
minimal brain dysfunction and minimal field dependency, 228
perceptuo-motor ability related to gross-motor performance, 427
perceptuo-motor disabilities; research, 1288
processes involved in piano study by learning disabled child, 1309
remedial physical education for learning disabled, 631
stimuli identification by MR and non-MR children, 2449
tactile and visual integration for the learning disabled, 1291
utilization of redundant information by EMR and non-EMR adults, 2448
visual; training, 1347

Perinatal care: *see under* **Delivery of health care**

Perinatology: *see under* **Preventive medicine**

Peripheral nerves
involvement in amaurotic familial idiocy, 266

Peritoneal dialysis
in Reye's syndrome, 978

Personality
traits of persons with Down's syndrome, 3218

Personality development
personhood of SMR adolescents appraised, 1385

Personality inventory
Schizophrenia-Organicity scale to differentiate between brain damage and schizophrenia, 520

Personnel
behavior modification training for staff of a MR facility, 3593

Personnel management
residential facilities, 3592

Peters anomaly: *see under* **Cornea**

Pharynx
pharyngeal pouch syndrome with maldescent of thymus in hypoparathyroidism, 2117

Phenobarbital
effects on asphyxia in newborn monkey, 2368
induced UDP-glucuronyltransferase activity towards bilirubin in mouse fetal liver, 184
for pentazocine withdrawal in newborn infant, 964
treatment of convulsions in newborn infant; plasma concentrations, 2140
treatment of newborn infant; effect on glucaric acid excretion and bilirubin levels, 2914

Phenols
phenolic acid and alcohol excretion in newborn infant, 1067

Phenozines
neutral red photosensitization in herpesvirus hominis, 126

Phenylacetates
homovanillic acid in normal pressure hydrocephalus, 413

Phenylalanine
concentrations during pregnancy in women heterozygous for phenylketonuria, 291
gas chromatographic determination in serum, 305
p-chloro-, inducing phenylketonuria, 292
restricted diet terminated in phenylketonuria, 2108
urine metabolites in preweanling rat treated with p-chlorophenylalanine and, 304

Phenylalanine hydroxylase
activity in liver biopsies from hyperphenylalaninemia heterozygotes, 2973
activity in liver of human and subhuman primates, and its absence in kidney, 306
mitochondrial inhibition in phenylketonuria, 309

Phenylketonuria
amino acid mixture and protein hydrolysates, 2128
as balanced polymorphism, 2122
with cystinuria, 2962
diagnosis; phenylalanine hydroxylase assay, 2960
dihydropteridine reductase deficiency, 284, 286, 2072
dihydropteridine-reductase deficiency; pterin therapy, 1093
electroencephalography, 2126
heterozygote detection methods, 2079
influence of mass screening on incidence of MR, 2990
interdisciplinary approach, 261
L-dopa and 5-hydroxytryptophan, 1095
mass screening programs, 2096, 2820
mitochondrial inhibition of phenylalanine hydroxylase activity, 309
new forms, 286
New York State screening program, 268
in Norway, 1068, 1069
phenylalanine concentrations in pregnant heterozygous women, 291
phenylalanine tolerance, 1088
problems of children and family, 2981
progressive neural muscular atrophy, 2129
prospects for pharmacological treatment, 2121
in rats, induced by p-chlorophenylalanine, 292
in Romany Gypsies, 11
sebaceous function abnormality, 2107
termination of phenylalanine-restricted diet, 2108
variant form; tetrahydrobiopterin, 1094

Phenytoin
maternal ingestion and congenital abnormalities, 1930

Phosphates
hypophosphatemia in Reye's syndrome, 179

Phosphatidic acid phosphohydrolase: *see under* **Phospholipids**

Phosphodiesterases
sphingomyelinase II; deficiency in Niemann-Pick disease, 2967
sphingomyelinase deficiency in fibroblasts, 2968

Phospholipids
concentration in respiratory distress syndrome, 405
phosphatidic acid phosphohydrolase (PAP) and lecithin/sphingomyelin ratio, 401

Phosphomonoesterases
pyruvate dehydrogenase phosphatase deficiency as cause of lactic acidosis, 2970

Phosphoribosylpyrophosphate: *see under* **Pentosephosphates**

Phosphorus
depletion on long-term parenteral nutrition, 2066

Phosphotransferases, ATP
carbamyl phophate synthetase I; decreased activity associated with hyperornithinemia, hyperammonemia, and homocitrullinuria, 2975

Phototherapy
airway obstruction by displaced eye mask during, 2363
bilirubin-induced photodegradation of DNA, 2909
in Crigler-Najjar syndrome, 983
in fetal erythroblastosis, 1974
in neonatal jaundice, 1968, 2625
in neonatal jaundice; comparison of single-direction and double-direction, 995
in newborn infants; protein binding of bilirubin and salicylate, and activity of acetylsalicylic acid esterase, 1964
photoactivated riboflavin effect on DNA and HeLa cells, 2913

Phycomycetes
Phytophthora infestans; teratogenic effects in early chick embryos, 1915

Physical education and training
effects on self-concept of children with learning disorders, 623
exceptional children; handbook, 1607
for the handicapped, 1730
for the handicapped; bibliography, 1733
individualized curriculum for TMR, 614
for learning disabled, 631
mainstreaming approaches, 1490
mainstreaming the handicapped, 1523, 2559
developing motor skills in MR, 3342, 3344
for MR; bibliography, 799
for MR adults, 1728
for MR children, 429, 2700
teaching walking to SMR, 3343

Physical examination
child, 2805

Physical therapy, 695
in children with cerebral palsy, 2621
for motor skills in cerebral palsy, 242
in special education, 3345

Physicians
awarenesss of MR services, 1754
developmental disorders, 828
genetic counseling, 3585
learning disorders, 832
and parents of handicapped children, 3595
pediatrician; child health service training, 1764
pediatrician; primary care, 2718
pediatrician triage abilities as compared to nurse practitioner, 2717

Physiology
fetus and placenta, 3089

Phytophthora infestans: *see under* **Phycomycetes**

Piaget's sensorimotor period: *see under* **Language development**

Pica, 106

Pierre Robin syndrome
with thoracic dysplasia and respiratory distress, 403

Pituitary gland
absence associated with Cornelia de Lange syndrome, 3063
dysfunction in XO/XX mosaicism, 2232

Placebos
therapy for MR, 3441

Placenta
alkaline RNase in malnourished pregnancy, 1044
function and malnutrition, 2944
gentamicin transfer during maternal infusion, 1868
growth and ionizing radiation in mice, 871
insufficient, and fetal death, 388
insufficient, and fetal postmaturity, 2389
large, in adrenal hypoplasia in low birth weight infants, 2326
maternal malnutrition effects, 2040, 2067
pathology in births of small-for-gestational age infants, 1230
physiology and biochemistry, 3089
transplacental passage of blood cells, 1960
xenon-133 for assessing blood flow and detecting light-for-dates infants, 2866

Placental lactogen, 1830

Plasma
normal volume in hyperaldosteronism, 2085
transferrin in newborn infant; gestational age and intrauterine nutrition effects, 1223

Play therapy
establishing behaviors in MR, 2701
with handicapped, 2615
with institutionalized MR, 1639

Plumbism: *see* **Lead poisoning**

Pneumocystis carinii
hyper-gamma-globulinemia in immune deficiency syndrome, 988
in Vietnamese foundling, 1876

Pneumoencephalography
early infantile autism, 1396
failure to distinguish between cerebral atrophy and normal pressure hydrocephalus, 1780

Pneumogram: *see under* **Technology, medical**

Pneumomediastinum: *see* **Mediastinal emphysema**

Pneumonia
cytomegalovirus, in sudden infant death syndrome, 146
mortality from, in institutionalized MR population, 415

Pneumopericardium
in hyaline membrane disease, 1257
in newborn infant, successfully treated during intermittent positive pressure ventilation in respiratory distress syndrome, 2358

Pneumothorax
from amniocentesis, 98
diagnosis in newborn infants by transillumination, 1246
as function of gestational age, 1261
in infants with respiratory distress syndrome receiving continuous positive airway pressure, 1269
in newborn infant, 1251, 2355

Poliovirus vaccine
in malnourished children; reduced secretory antibody response, 1925

Polyradiculitis
Guillain-Barre, and herpesvirus hominis, 1882
in pregnancy; respiratory complications, 2362

Polyunsaturated fatty acid lipidosis: *see under* **Lipid metabolism, inborn errors**

Polyvinylpyrrolidone
povidone-iodine in herpesvirus hominis, type 2, 125, 127

Pompe's disease: *see* **Glycogenosis**

Portacaval shunting: *see under* **Technology, medical**

Portage Project model: *see under* **Education, special**

Potassium
concentrations in protein-calorie malnutrition, 2030, 2946
-sodium ratios in chick embryo teratogenesis, 88

Poverty
systematic instruction procedures for extremely poor MR, 1465

Povidone-iodine: *see under* **Polyvinylpyrrolidone**

Prader-Willi syndrome: *see under* **Abnormalities, multiple**

Pregnancy
adhesive spray exposure and birth defects, 1864
alpha-fetoproteins; relationship to fetal weight, maternal age, and parity, 31
amniotic fluid fatty acid composition, 14
anemic maternal smokers; risks to fetus, 1865
complicated by drug addiction, 1892
complicated; effects in early infantile autism, 3185
complicated; lecithin-sphingomyelin amniotic fluid ratio, 1828
drugs as teratogens, 2886
estradiol and hydrocortisone levels, 885
fibrin/fibrinogen degradation fragment E, intrauterine growth retardation, and perinatal asphyxia, 201
gentamicin infusion; placental transfer and fetal urinary excretion, 1868
Guillain-Barre syndrome; respiratory complications, 2362
haloperidol use and limb malformations, 2897
hemolytic anemia with hemolytic disease of newborn, 985
high-risk; maternal medical disorders and impact on fetus, 2867
high-risk; obstetrical and perinatal factors, 2842
high-risk; oxytocin challenge test, 396, 1264, 1797
high-risk; prenatal diagnosis, 1781
high risk; screening, management, and prognosis, 75
hormonal tests and multiple abnormalities, 907
hypertension; intravascular volume expansion and fetal outcome, 873
hyperthyroidism; congenital effects of propylthiouracil and methimazole, 143
Listeria monocytogenes, 140
management in patient with myelomeningocele, ureto-ileostomy, and partial paraparesis, 2294
maternal malnutrition and alkaline RNase in placenta, 1044
maternal malnutrition and birth weight, 1232
maternal malnutrition and fetal growth, 2949, 2950
maternal malnutrition in Central America and Panama, 2948
maternal malnutrition in Thailand, 2951
maternal serum heat-stable alkaline phosphate in normal and high-risk, 62
multiple, and alpha-fetroprotein levels, 861
nitroblue tetrazolium test, 77
normal; alpha-fetoprotein levels, 864
normal and complicated; amniotic fluid alpha 1 antitrypsin values, 1798
prenatal medical and nutritional measures and early infant development in urban poverty setting, 2062
primary hyperparathyroidism during third trimester, 278
propranolol; fetal effects, 123
Rh sensitization associated with intrauterine device, 990, 1961
risk following rubella vaccination, 940
risk of rubella, 1901
rubella vaccine, 2904
salicylates, 134
salicylates, low birth weight, and fetal death, 174
smallpox vaccination during, 152
teratogenic effects of meprobamate and chlordiazepoxide, 1855
termination after rubella virus exposure, 930
triplet; raised alpha-fetoprotein levels and omphalocele, 384
twin; perinatal factors and neonatal morbidity, 2392
virus diseases; immediate and long-range effects, 2877
weight gain; influence on birth weight, 2344

Premenstrual tension
battered child syndrome, 1010

Prenatal diagnosis (*see also* Diagnosis, laboratory, and individual method), 56, 859, 866, 868
and abortion; medical ethics, 2812, 2813
alpha-fetoprotein levels in maternal serum, 72
amniotic fluid alpha-fetoprotein measurements, 865
anencephalus, 1199
anencephalus and spina bifida, 1214
chromosomal polymorphism, 28
chromosome banding in couples with history of fetal wastage, 340
contraction stress test, 15
cost-benefit aspects, 43
cystinosis, with leukocytes, 2078
double trisomy, 2247
Down's syndrome, 2144
estrogen/creatinine ratio, 82
fetal heart beat interval recorder, 22
fetal heart rate monitoring; febrile morbidity evaluation, 85
fetal monitoring; electrocardiogram, 70
genetic screening; National Academy of Sciences policy, 96
glycogenosis 2, using microchemical analyses, 2976
in high-risk pregnancy, 1781
homozygous beta thalassemia, 996
intrauterine retardation; atypical fetal heart rate response, 395
legal issues, 2787, 2788, 2814
medical ethics, 1779
methylmalonic aciduria, 2077
misdiagnosis of neural tube defects, 369
neural tube defects; alpha-fetoprotein, 29, 377
neural tube defects; alpha-fetoprotein and alternative markers, 1211
propionic acidemia, 2988
severe central nervous system defect, 2808
spina bifida, 378, 1190, 1199, 2267
spina bifida; social workers and health visitor roles, 3067
spina bifida and anencephalus; alpha$_2$-macroglobulin concentrations, 3070
trophoblast cells in maternal blood, 1819

Preschool Readiness Experimental Screening Scale: *see under* **Intelligence tests**

President's Committee on MR: *see under* **Mental retardation**

Preventive medicine
early intervention for high risk infants and children, 2835, 2836, 2838
perinatology; legal aspects, 2845
prevention of embryonic, fetal, and perinatal disease, 2845
recommendations of Committee on Prevention of Fetal and Perinatal Disease, 3490

Prisons
developmentally disabled; needs and problems in, 836
MR offenders in, 760, 1671
MR offenders in, in Kentucky, 1691, 1718, 1719, 1720, 1721, 1722, 1723

Problem solving
arithmetic verbal, in EMR, 485, 486
arithmetic verbal; effects of extraneous information on Spanish-speaking MR, 478
hyperkinesis manifested in eye movements, 1002
improving skills of normal and MR children; learning potential procedure, 3158
learned helplessness determinants, 1327
of normal 6-year-olds and EMR adolescents; varying stimulus characteristics effects, 479
and outerdirectedness in MR, 3159
strategies in MR children; techniques for development, 2405
training for kindergarten children, 1341

Progeria
atypical form, 2276
with Hallermann-Streiff syndrome, 2249

Progestogen: *see under* **Hormones**

Progressive multifocal leukoencephalopathy: *see under* **Brain diseases**

Project I CAN: *see under* **Education of mentally retarded**

Project PRICE: *see under* **Education of mentally retarded**

Project SCREEN: *see under* **Learning disorders**

Project SERVE: *see under* **Education of mentally retarded**

Project SHARE: *see under* **Education, special**

Project STEP: *see under* **Education**

Propanolamines
beta-mimetic drugs in respiratory distress syndrome, 410

Propionates
normal metabolism in acute neonatal nonketotic hyperglycinemia, 2086

Propionic acidemia: *see under* **Metabolism, inborn errors**

Propoxyphene
withdrawal in newborn infant, 963

Propranolol
during pregnancy; fetal effects, 123
for hyperthyroidism in pregnancy, 138, 139

Propylthiouracil
for hyperthyroidism in pregnancy; congenital effects, 143

Prostaglandins
E_2, in intrauterine fetal death and missed abortion, 1800
F_2alpha, in abortions, 74, 86, 1809

Protein-calorie malnutrition, 2035, 2053, 2055, 2063
alanine effects on growth hormone, insulin, and glucose, 1053
catecholamine excretion in urine, 252
in children; fatal infections with thymolymphatic atrophy, 1049
in children; IgA levels, 248
in children; serum complement and immunoconglutinin levels, 1051
chromosome abnormalities, 253
cognitive development, 2940, 2941, 2942
cortisol and growth hormone, 2947
in infants; triiodothyronine and thyroid-stimulating hormone, 1057
insulin secretion and glucose tolerance, 1052
jejunal organisms and diarrhea in Gambian children, 1047
long-term effects in early childhood on bone age, bone cortical thickness, and height, 2031
marasmus; adrenal gland function in infants, 249
marasmus and kwashiorkor, 1062
maternal; fetal growth and mental development, 2070
maternal; small-for-gestational age infant, 1224, 2349
Na^+-K^+-ATPase in neonatal rat brain synaptosomes after perinatal, 2936
relation between insulin secretion, glucose tolerance, growth hormone, and serum proteins, 2046
retinol-binding protein, 2037
total body potassium concentrations, 2030, 2946

Protein hydrolysates
in premature infant, 1235
in treatment of phenylketonuria, 2128

Proteins
amniotic fluid; fetal ingestion and metabolism, 2069
brain; catecholamine binding in mice exposed to malnutrition and infection, 2939
-losing enteropathy and malabsorption in acute measles enteritis, 1878
lysinuric, intolerance; diamino acid transport into granulocytes and liver slices, 2977

Proteoglycans: *see under* **Mucopolysaccharides**

Proteus infections
proteus morganii meningitis; trimethoprim and sulfamethoxazole, 158

Pseudo-Hurler polydystrophy: *see* **mucolipidosis III** *under* **Lipid metabolism, inborn errors**

Pseudohermaphroditism
with clinical features of trisomy 18 in infant trisomic for parts of chromosomes 16 and 18: 47,XY,der(18), t(16;18) (p12:q11)mat, 2196

Pseudohypoparathyroidism
excessive thyrotropin-releasing hormone, 2091
normal serum calcium level, 2101
urinary adenosine 3',5', cyclic monophosphate diagnostic test, 1064
vitamin D metabolites, 285

Psychiatric status rating scales
Clinical Interview Schedule, 523

Psychiatry
MR inpatient and day care facilities, 2714

Psycholinguistics
efficacy of training in learning disabled children, 580, 581
for language examination in learning disabled children, 1334
semantic differential; need for modified scale for MRs, 522
stimulation program for EMR, 1529

Psychological tests
Adaptive Behavior Scale, short form; use with MR, 3234
Canter Background Interference Procedure, 227
Concept Assessment Conservation Test, 1274
Developmental Test of Visual Perception, 1274
Evaluation and Prescription for Exceptional Children; in early infantile autism, 2484
Illinois Test of Psycholinguistic Abilities; construct validity for diagnosing learning disorders, 1405
Illinois Test of Psycholinguistic Abilities (Revised), 1402
individual difference tests and cognitive theory, 3224
learning disorders, 454
performance and anticonvulsants, 312
predicting development levels of preschool MR, 2481
preschool identification of learning disorders, 1412, 2482
Slosson Drawing Coordination Test. 203
for SMR and PMR, 3235
Social Learning Environment Rating Scale, 1602
Trail Making Test; variations in pattern of performance, 2488

Psychologists
developmental disorder assessment, 826
role in early infantile autism, 1389
training in MR, 1760

Psychology
cognitive, and neonatal retardation, 3120, 3121, 3122
cognitive and developmental, 3124
relative, of MR; framework, 2750

Psychology, clinical
early infantile autism, 3391

Psychoses
childhood; computer analysis of electroencephalogram, 3229
childhood; differential diagnosis, 3228, 3241
childhood, and autism; annotated bibliography, 2463
in Turner's syndrome, 328

Psychoses, manic-depressive
MR, 3151

Psychosocial dwarfism: *see under* **Dwarfism**

Psychotherapy, 724
child, for families of handicapped, 810
in minimal brain dysfunction, 225
structural, in early infantile autism, 3413, 3414
techniques for involving minimal brain dysfunction child, 1645

Psychotropic drugs
usage in preschool special education programs, 3475

Pteridines
tetrahydrobiopterin in phenylketonuria (variant form), 1094

Pterins
in phenylketonuria due to dihydropteridine-reductase deficiency, 1093

Public relations
mental retardation and the media, 3521

Pulmonary cystic disease: *see under* **Lung disease**

Pulmonary hypoplasia: *see under* **Lung**

Pulmonary surfactant
test for fetal lung maturity, 1252

Pupillary response: *see* **Reflex, pupillary**

Purine nucleosides
arabino-furanosyladenine in herpesvirus infections, 973, 1899

Purtscher retinopathy: *see under* **Retina**

Pyridines
pyrithioxin: influence on memory, reaction time, abstraction ability, and classroom interest of visually handicapped children, 2611
pyrithioxin and cognition, 3399

Pyridoxine
cystathioninuria responsive and unresponsive to, 297
effects on blood serotonin and pyridoxal phosphate in hyperkinetic children, 208

Pyrithioxin: *see under* **Pyridines**

Pyritionol hydrochloride: *see* **Pyrithioxin** *under* **Pyridine**

Pyruvate decarboxylase: *see under* **Carboxylases**

Pyruvate dehydrogenase complex
in Friedreich's ataxia, 2929

Pyruvate dehydrogenase phosphatase: *see under* **Phosphomonoesterases**

Quality control
of community services, 772

Radial dysplasia/imperforate anus/vertebral anomalies syndrome: *see* **VATER acronym** *under* **Abnormalities, multiple**

Radiation
abnormalities, 2876

Radiography
chromosome abnormalities, 1137
gonadal, and genetic load, 889
ionizing; effects on embryo, 2883
ionizing; fetoplacental growth in mice, 871

Radioimmunoassay
semiautomated serum, for spina bifida, 386
steroid hormone; clinical obstetrics applications, 1808

Radiotherapy
cerebrovasculopathy after, 1872
multiple abnormalities, 2311

Reaction time
stimulus-response variable effects on MR, 2401

Reading
ability of children with learning disorders; effect of creative dramatics, 476
achievement and intelligence of MR in 3 settings, 1497
for adult MR in sheltered workshop, 686
comprehension skills of EMR, 587
epilepsy; inheritance, 2137
improvement in EMR; enrichment program effects, 632
institutionalized and noninstitutionalized MRs compared on basic skills, 483
instructions for EMR, 3317
letter discrimination ability of young children, 1358
levels of instructional materials designed for EMR, 1590
Peabody Rebus Reading Program and Edmark Reading Program compared, 595
and problem-solving ability of MRs vs. normals, 1360
recognition ability and reflection-impulsivity among mildly MR, 3135
retarded, speed of exposure, discrimination difficulty and visual recognition, 2458
skills; teaching to MR and learning disabled, 1433
skills and cognitive-spatial and visual-perceptual skills, 1370
systems for TMR; DISTAR and Rebus systems, 1596
testing pronunciation skills of normal and MR readers, 3144
transfer as a result of synthetic and analytic reading instruction, 3140
vocabulary taught to MR; fading and nonfading procedures, 2584
Z-score discrepancy method for identifying children slow at, 1408

Reading disabilities: *see* **Dyslexia**

Reading Miscue Inventory: *see under* **Dyslexia**

REAL Scales Programming Model: *see under* **Residential facilities**

Recklinghausen's neurofibromatosis: *see* **Neurofibromatosis**

Recreation
art projects
for MR child, 790, 791, 792, 793, 794, 795, 796
attitudes toward TMR following mainstreaming program, 2698
bibliography, 798, 799
camping, 1734
crafts, 788
for the handicapped; bibliography, 1733
ice skating for developmentally disabled, 1729
and leisure services program for the handicapped, 1732
library services, 787
and park needs of handicapped evaluated, 797
and physical education programs for the handicapped, 1730
play learning centers for preschool handicapped, 1731
special olympics for the handicapped, 789
toy library service, 3575

Rectum
biopsy in neurological diseases, 857

Rectus femoris: *see under* **Muscles**

Reflex, pupillary
dilation during cognitive processing in EMR, 2411

Rehabilitation
of dangerous offenders, 1696
evaluation strategies, 3379
legislation, 2639
of MR offenders, 1667, 1669, 1670, 1672, 1673, 1687, 1725, 1726

Rehabilitation centers, 764

Rehabilitation, vocational (*see also* **Sheltered workshops; Vocational education**), **652, 665, 676, 685, 764, 1618**
activity center for MR, 688
administrator's handbook, 655
for blind MR, 666
in Cairo, Egypt, 667
career orientation materials, 2588
clinical assessment, 680
comparison of graduates of work-study and traditional programs, 691
counseling, 681
denormalizing practices, 2595
deriving work activity participation rates for the general population, 661
for developmental disabilities; New Jersey, 2594, 2596, 2597, 2598, 2600
diagnostic services project, 1615
effects of secondary handicaps on employment of educable mentally handicapped adolescents in Scotland, 2591
EMR program, 674
estimating number of clients in New Jersey, 660, 662
handbook, 664
on-the-job characteristics of MR, 687

job placement and followup, 657
job tryouts, 677
of MR; employment success, 3384
of MR; handbook, 2601
of MR; job satisfaction and performance, 1611
of MR; job training placement, 3387
of MR; types of jobs undertaken, 3380
of MR; vocational development, 684
policy recommendations for current needs in New Jersey, 658
postsecondary program model, 673
program evaluation, 672
programs in New Jersey, 657, 663
psychosocial correlates of occupational performance among TMR, 693
services, 682
services delivered to adult developmentally disabled in New Jersey, 659
for severely and profoundly handicapped, 2593
of SMR; printed circuit based assembly, 671
of SMR and PMR, 3378
social skills curriculum for developmentally disabled, 645
stages of model reasoning and ego development and predicted success, 690
State School Rehabilitation Program, Texas Rehabilitation Commission, 2586
teacher's manual, 591
training manual for supervisors of MR, 653
training program for porters, 3386
Trident project (England), 1619
vocational adjustment of MR, 683, 2592
work activity center, 2589
work activity participation rates for MR population in New Jersey residential facility, 2599
work adjustment, 678
work evaluation, 679
workshop for instructors; report and evaluation, 654

Reinforcement (Psychology), 3424
of cooperation between PMR, 1636
effects on classroom behavior of MR and autistic children, 2402
teaching PMR adults to dress themselves, 3462

Renal aplasia: *see under* **Kidney**

Rendu-Osler-Weber syndrome: *see* **Telangiectasia, hereditary hemorrhagic**

Reproduction
from clone cells; biological consequences, 3477

Research
behavioral, in child development; trends, 3200
biomedical; formal social control, 3479, 3480
Committee, Conference on Early Intervention with High-Risk Infants and Young Children: recommendations, 3489
equal education opportunities, 737
experimental, on MR in India, 2745, 2754, 2755, 2756
fetal; legislation, 3481, 3482
informed consent and PMR, 2775
intervention with high-risks infants and children; socioecological perspective, 2840
longitudinal, in child development, 3127
MR; international review, 2753
perinatal medicine, 876
PMR, 2774, 2776
process-oriented, in prevention and intervention with high-risk children, 2839
vocational rehabilitation outcomes for SMR and PMR, 3378

Residential facilities, 775, 779, 2692, 3544, 3553
active habilitation programming, 3539
adaptive behavior changes of group home residents, 3537
admission and discharge histories of high-grade MR, 3557
admission of MR of mild and borderline intelligence, 782
analysis of applicants and residents of state institution for MR, 1717
attitudes of ward attendants toward MR, 833
for autistic adolescents in United Kingdom, 1374
Basic Movement Performance Profile standardized for PMR, 428
basic reading skills of residents compared with noninstitutionalized MR, 483
behavior therapy, 708, 778, 780
care of MR children by MR adults, 830
care practices for the MR, 1699
civil rights of MR, 3556
community attitudes toward MR, 3554
Community Living Skill-Rating Scale, 781
community placement of MR, 3550
community residence for MR, 1705, 1706, 1707, 1708, 1709, 1710, 1711, 1713, 1714, 1743
developing responsiveness to instructions in SMR and PMR, 723
for developmentally disabled, 1715
for developmentally disabled, in California, 2678, 2683, 2684, 2685, 2686, 2687
drug therapy, 726
effects of an accreditation survey on program completion, 3546
electronic surveillance vs. walls for MR, 3541
evaluated, 3179
evaluation survey, 777
family home for adults, 785
future of, 3564
group homes for moderately and severely handicapped, 3555
habilitation rights, 755, 756
and handicapped, 786
hospital for MR; therapeutic evaluation instruments, 1716
impediments to deinstitutionalization, 2675
improvement program, 778
judicial, legislative, and adminstrative competence in setting standards, 784
Mexican-American and Anglo parents of an institutionalized MR; comparative study, 813
for MR, 3547, 3558
for MR; architectural implications, 3562
for MR; comparison with home residence, 1724
for MR; decision to institutionalize, 1703
for MR; in Missouri, 2670
for MR; in England, Wales, and N. Ireland, 2671
for MR; in L'Arche (Trosly, France), 3563
for MR; normalization, 3559, 3560

for MR; origin and characteristics, 3561
for MR; patient workers, 1697
needs survey; West Virginia, 2689
payment rates in California, 2679, 2680, 2681, 2682
peonage and involuntary servitude, 783
personnel management, 3592
planning alternatives to institutions, 2676
preinstitutional school deprivation, responsiveness to social reinforcement, and IQ change in MR, 2677
preventive community work by personnel, 2715
REAL Scales Programming Model, 3535
reform priorities, 2691
reintegrating MR into community; bibliography, 766
relief program for parents of MR, 1702
resident rights interview, 3551
residential village for MR vs. urban area, 2672
self concept of EMR, 513
sex behavior, 1700
size related to quality of care, 3542
social life of inmates, 1712
staff-resident interaction, 1704
state; programs for sharing disorders, 730
survey of hearing impaired MR, 1698
team approach to habilitation of MR, 1727
total communication environment, 1701
tour; effect on attitude toward MR, 2693
tracking system for residents' records, 3552
transfer of PMRs and increased mortality rate, 3540
unit dose pharmaceutical services, 3549
unit management system, 3548
work activity participation rates for MR population in New Jersey residential facility, 2599
zoning restrictions and the right to live in the community, 769

Respiration
airway obstruction by displaced eye mask during, 2363
delayed spontaneous, in breech infants; sequelae, 1037
insufficient; pulmonary mechanics in infants surviving severe neonatal, 2359
maternal smoking and fetal breathing movements, 1929
mortality from aspiration in an institutionalized MR population, 415
in newborn infant; developmental change in depth and rate responses to CO_2, 2395

Respiratory distress syndrome
amniocentesis, 408
amniotic fluid phosphatidic acid phosphohydrolase (PAPase) and lecithin/sphingomyelin ratio, 401
amniotic fluid volume, total phospholipid concentration, and L/S ratio, 405
beta methasone, 406
beta-mimetic drugs, 410
blood transfusion, 407
blood volume and blood pressure in infant, 1266
continuous positive airway pressure, 1248
continuous positive airway pressure; pneumothorax and pneumomediastinum, 1269
edema of umbilical cord, 409
enzymes of lecithin biosynthesis in lungs of newborn infant, 2365
foam stability test, 411
following fetography, 1265
frusemide, 1247
Guillain-Barre syndrome in pregnancy, 2362
hemostasis in newborn infant; abnormal proteolysis, 1965
inadequate pulmonary lecithin production via choline incorporation pathway, 3079
lecithin/sphingomyelin (L/S) ratio, 895, 2377
L/S ratio compared with gastric aspirate, 2376
L/S ratio in hypopharyngeal aspirate of newborn infant, 2380
maternal thyroid status, 1270
method for measuring lung volume in premature infant, 3078
misjudgment of fetal gestational age, 1243
monoparesis (Erb's palsy) after continuous positive airway pressure, 1250
in newborn infant; pneumopericardium successfully treated during intermittent positive pressure ventilation, 2358
in newborn infant; variations of protease inhibitors, 2367
patent ductus arteriosus, 2382, 2383, 2384
in Pierre Robin syndrome with thoracic dysplasia, 403
plasma corticoids, 1271
pneumothorax and gestational age, 1261
in premature infants; neonatal management and follow-up, 2353
in premature infants; serum thyroxine levels, 1245
prevention in Cesarean section, 404
red blood cell volume in premature infants with and without, 2354
transcutaneous PO2 monitoring of newborn infants, 2366
umbilical artery catheters; reduced thrombus formation, 1262
ventilator therapy; complications, 2385

Respiratory failure: *see* **Respiratory insufficiency**

Respiratory insufficiency
in myotonia atrophica in newborn infant, 1194

Resuscitation
intrauterine; elevation of fetal presenting part, 872

Retina
Purtscher retinopathy in battered child syndrome, 1983

Retinitis pigmentosa
dwarfism, craniosynostosis, and multiple congenital malformations, 2289

Retinoblastoma, 1192, 3072
associated malformation frequencies, 1033
and celiac disease in Down's syndrome, 1164

Retinol: see under **Vitamin A**

Retrolental fibroplasia
compared with congenital encephalo-opthalmic dysplasia, 3069
in low birth weight infant, 2348
and oxygen therapy in premature infants, 2323

Reye's syndrome: *see under* **Brain diseases**

Rh factors
amino acid composition of amniotic fluid, 32
immunoglobulins in puerperal sterilization, 196
prophylaxis mechanisms; specificity of immunosuppression, 1970
sensitization associated with intrauterine device in pregnancy, 990, 1961

Rhesus hemolytic disease: *see* **Erythroblastosis, fetal**

Riboflavin
photoactivated; effect on DNA and HeLa cells, 2913

Ribs
multiple fracture from physiotheraphy in newborn, 2372

Rickets, 2063

Rifampin
ineffective in treating subacute sclerosing panencephalitis, 2923

Riley-Day syndrome: *see* **Autonomic dysfunction**

RNA
alkaline RNase in malnourished pregnancy, 1044

Rubella, 102, 968
age distribution, 160
congenital; epidemiology, 1919
congenital; mistaken diagnosis, 1874
congenital; rashes, 1862, 1887
embryonic infection with congenital aphakia, 2889
encephalitis; corticosteroids, 128
intrauterine; head size and intellect, 962
postpartum vaccination and anti-D prophylaxis, 1923
risk in pregnancy, 1901
serosurvey among non-urban pediatric population, 1939

Rubella vaccine
alone and combined with measles and mumps vaccine, 916
combined with measles vaccine, 2887
follow up studies of vaccines at adolescence, 1934
HPV-77, DE5; late seroconversion effect, 967
pregnancy risks, 940, 2899, 2904
rubella-mumps-measles trivalent vaccine, 1877
vaccination program; effect on antibody distribution in women of childbearing age, 167

Rubella virus
iatrogenic infection, 182
infection associated with neurological disease, 1853
isolation from skin of infant with congenital rubella, 181
termination of pregnancy after exposure, 930

Rubinstein-Taybi syndrome: *see under* **Abnormalities, mulitple**

Russell-Silver syndrome: *see under* **Growth disorders**

Sacral agenesis: *see under* **Spine**

Saldino-Noonan short rib polydactyly dwarfism: *see under* **Dwarfism**

Salicylates
in pregnancy, 134
in pregnancy; low birth weight and fetal death, 174
protein binding of bilirubin and influence of phototherapy, 1964
saturation index in neonatal jaundice, 189

Sandhoff-Jatzkewitz disease: *see under* **Metabolism, inborn errors**

Sanfilippo syndrome: *see* **Mucopolysaccharidosis 3**

Santavuori disease: *see under* **Amaurotic familial idiocy**

Scalp
fetal blood pH correlated with fetal heart rate-uterine contraction patterns, 1810
fetal blood pH determinations, 87

Schizophrenia
chronic; inability to acquire new information, 477
differentiating from brain damage with Schizophrenia-Organicity scale, 520
drug therapy, 2614
and minimal brain dysfunction; brain anoxia as cause, 2375
self mutilation, 3211
in 47,XYY male, 348

Schizophrenia, childhood
computer analysis of electroencephalogram, 3229
concept usage, 3164
disordered information processing and symptom formation, 3106
and early infantile autism, 496
and IQ; independent transmission, 94
language therapy, 1549

Schizophrenia-Organicity scale: *see under* **Personality inventory**

School failure: *see under* **Education**

Schools
for the handicapped; guidelines for accreditation, 1475

Scintigraphy: *see under* **Nuclear medicine**

Scleroderma, systemic
toxoplasmosis mimicking brain abscess in adult with treated, 1902

Scoliosis
etiology and relationship to spina bifida cystica, 2270

Screening: *see* **Mass screening**

Sebum
excretion rate in phenylketonuria, 2107

Self concept
and academic achievement in EMR, 1382
and academic achievement in learning disabled children, 3372
career attitude and self-esteem among boys with and without, 507
Coopersmith Self Esteem Inventory, 495
of developmentally delayed children, 1376
effect of teacher and peer attitudes and achievement on, in learning-disabled and nonlearning disabled, 510
in emotionally disturbed, EMR, and normal children, 494
of EMR compared with non-EMR, 1379
of EMR compared with normal children, 1401
of EMR in residential facilities and home settings, 513
of EMR in segregated and integrated classes, 508
of learning disabled; effects of teacher reinforcement, 490
of learning disabled children; effects of perceptual-motor physical education, 623
measures which are predictors of job success for learning disabled children, 1625
in minimal brain dysfunction; effects of parental management style, 1386
and perception of mother-child relationships, 514
school placement and measured achievement of MR, 1530
social behavior and perception of parental behavior in EMR adolescents, 1383

Self mutilation, 3194, 3195, 3196
behavior therapy, 1650, 1651, 3431, 3454, 3455, 3461, 3466
early infantile autism; structural therapy, 3393
in Lesch-Nyhan syndrome; mechanical aids, 1102
in schizophrenic and MR children, 3211

Semantic differential: *see under* **Psycholinguistics**

Sensory deprivation
early infantile autism, 3184
sound-induced drive, prior motion restraint, and reduced sensory stimulation effect on rocking behavior in MR, 2475

Septicemia
in infancy; sulfamethoxazole/trimethoprim, 2612
and lumbar punctures in meningitis, 1889
in newborn infant, 165
staphylococcal; hexachlorophene bathing, 1884

Serotonin
blood in hyperkinetic children; pyridoxine hydrochloride and pyridoxal phosphate effects, 208
uptake and efflux from platelets in autistic children, 3093

Serum proteins: *see* **Blood proteins**

Sex
differences in IQ in Down's syndrome, 3024
needs of the handicapped, 3222

Sex behavior
knowledge and attitudes of moderately MR males, 2476
residential facilities, 1700

Sex chromosome abnormalities
chromosome isochromosome defects, 2164
large Y found in polymorphs by C-staining technique, 2192
mosaicism; alpha-antitrypsin phenotypes, 2199
in MR, 3035
and social class, 354
X chromosome inactivation; evolution, 1152
X/XY or X/XY/XYY mosaicism, 2213
XXYY son of triple-X mother, 2149
XYY, 343
XYY; disclosing karyotype to parents, 324
XYY; Harvard study, 344
XYY; neurological manifestations, 333
XYY genotype, 349, 350
XYY karyotype, 342
XYY research program ended, 339
XYY sons; revealing karyotype to parents, 352
XYY syndrome stigmatization, social class, and aggression, 2166
47,XYY; tooth size, 1161
47,XXY karyotype; early childhood development, 1128
47,XYY male; arterial occlusion, 379
47,XYY male; association with schizophrenia, 348

Sex education, 566
bibliography, 1505
for MR, 3361
for MR; path analysis of parents' conservatism, 3352
for MR; resource curriculum, 2576
for MR adolescents, 3243

Sex maturation
in MR, 3191

Sheltered workshops, 689, 1614, 2590
Controlled Environmental Laboratory Evaluation, 669
for the handicapped, 3388
intelligence tests in Appalachia, 2487
mathematics and reading for adult MR, 686
PMR in, 3323
token economy; effects of price manipulations on consumer behavior, 3385
uni- and multidisability; job satisfaction and social interaction of moderately MR males, 668
vocational education for MR in South Australia, 3381

Sibling relations
in families with handicapped children, 1752

Sickle cell anemia: *see* **Anemia, sickle cell**

Silver-Russell syndrome: *see* **Russell-Silver syndrome** *under* **Growth disorders**

Sirenomelia: *see under* **Ectromelia**

Skin
isolation of rubella virus from, in infant with congenital rubella, 181

Skin manifestations
and MR, 376

Skull
anterior fontanelle size in diagnosis of congenital hypothyroidism, 858
congenital defect, 2262
fracture in young children followed by leptomeningeal cyst, 1980
infant; transillumination, 30, 1788

Sleep
5-hydroxytryptophan in Down's syndrome, 325

Sleep disorders
in PMR, 3081

Slosson Drawing Coordination Test: *see under* **Psychological tests**

Slosson Intelligence Test: *see under* **Intelligence tests**

Slow learners: *see under* **Learning disorders**

Smallpox
vaccination during pregnancy, 152

Smith-Lemli-Opitz syndrome: *see under* **Abnormalities, multiple**

Smoking
fetal breathing movement, 1929
maternal; effects on fetal breathing movement, 1263
maternal anemia and risk to fetus, 1865

Social adjustment
Adaptive Behavior Checklist (ABCL), 3216
behavior recycling program for EMR, 1456
behavior therapy, 3422
community adjustment, achievement motivation, and causal attribution in MR adult males, 509
comparison of graduates of work-study and traditional programs, 691
education for EMR, 640
of EMR graduates of special education programs, 512
of EMR in community, 774
of handicapped children given insufficient physical handling, 1387
interaction and job satisfaction of moderately MR males in sheltered workshop, 668
of learning disabled, 1359
of MR in community, 3210
of normal and handicapped children, 3186
skills curriculum for developmentally disabled in vocational setting, 645
social incompetence paradigm, 3214
socialization program for MR young adults, 3215
of TMR, and occupational performance, 693

Social behavior
development in MR; television character effects, 1377
interactions beteeen institutionalized MR and attendants, 3212
role-taking ability and interpersonal conflict resolution among MR, 2474
stereotyping the physically handicapped, 1769

Social change
and MR, 80

Social class
and sex chromosome abnormalities, 354
variables in development of MR, 811

Social control, formal
biomedical research, 3479, 3480

Social desirability
assessment and reduction of deficits in the physical appearance of MRs, 430
of EMR in public school, 511

Social environment
of MR, after graduation, 3512

Social facilitiation
audience effects on MR performance of simple and complex tasks, 3178

Social Learning Environment Rating Scale: *See under* **Psychological tests**

Social medicine
mass screening for cretinism, 34

Social problems
and biobehavioral services, 2732

Social and Prevocational Information Battery
use with MR adolescents, 1399, 1403

Social service, 827
social worker in public day school for TMR, 1759
social worker role in spina bifida, 3067
unitization and social work in institutional programs for MR, 3536

Social worker: *see under* **Social service**

Socialization
severely and profoundly handicapped child, 2697

Socioeconomic factors
in child development; Juvenile Protective Association of Chicago, Illinois, 1833
in infant intelligence, 3168
and low birth weight, 2342
in MR and developmental disabilities, 2853

Sodium dantrolene: *see under* **Hydantoins**

Sodium
-potassium ratios in chick embryo teratogenesis, 88

Sodium glutamate
"Chinese-restaurant syndrome" in children, 116

Solanine
teratogenic effects in early chick embryos, 1915

Somatotropin
alanine effects in protein-calorie malnutrition, 1053
deficiency and dwarfism in MR children, 2068
insulin secretion, glucose tolerance, and serum protein interrelationships in protein-calorie malnutrition, 2046
kwashiorkor and protein-calorie malnutrition, 2947

response to arginine infusion in idiopathic short stature, isolated growth hormone deficiency, panhypopituitarism, and anorexia nervosa, 2932

Sonography: *see* **Ultrasonics**

Sotos syndrome: *see under* **Abnormalities, multiple**

Space perception
handicaps; Piagetian model, 1298

Spasm
infantile, and tuberous sclerosis, 1039
infantile, in histidinemia, 2089

Spastic diplegia: *see under* **Cerebral palsy**

Speech
delayed appearance or absence in children, 474
development in EMR child, 1307
development in hydrocephalic children, 382
discrimination in MR and non-MR listeners, 2445
improvement activity book for TMR, 487, 488
training and oral language for severely and profoundly handicapped child, 2575
training techniques; behavior therapy, 3456

Speech disorders
mainstreaming children with, 3254
management in severely deaf and PMR children, 546
screening in infant, 2799

Speech therapy
early infantile autism, 710, 3391, 3392
role of therapist in TMR program, 1583
in SMRs, 725

Sphingomyelins
/lecithin ratio; effects of blood or meconium, 1253
/lecithin ratio; fetal lung maturity, 71, 895, 1252, 1802, 1829
/lecithin ratio compared with gastric aspirate in respiratory distress syndrome, 2376
/lecithin ratio in complicated pregnancy, 1828
/lecithin ratio and fetogram in estimating fetal maturity, 63
/lecithin ratio in hypopharyngeal aspirate of newborn infant, 2380
/lecithin ratio in respiratory distress syndrome, 2377

Spielmeyer-Sjogren syndrome: *see under* **Amaurotic familial idiocy**

Spina bifida, 2321
in adolescents; physical handicap and family stress, 2710
alpha-fetoprotein levels, 29, 385, 1190, 1200, 1205, 1212, 1823, 1825, 2310
alpha-fetoprotein levels; misdiagnosis, 380
alpha-fetoprotein levels; open myelocele, 377
children attending ordinary schools, 2320
cystica; congenital vertebral anomalies; etiology and relationship to, 2270
educational placement, 2516
endovesical electrotherapy in treatment of urinary incontinence, 2254
epidemiology of patients with neural tube defects in a metropolitan hospital clinic, 2314
ethical issues, 3064
genetic counseling and prenatal diagnosis; social workers and health visitor roles, 3067
immunoglobulin M in amniotic fluid, 383
implications of surviving child for family, 3066
marital breakdown in families of patients, 2711
mass screening, 2257
Meckel syndrome; prenatal diagnosis, 1177
meningomyelocele, 3040
meningomyelocele; early surgical treatment, 381
meningomyelocele; ethical problems, 3068
meningomyelocele; hydrocele as a complication of peritoneal shunting, 363
meningomyelocele; importance of routine alpha-fetoprotein estimation, 1198
meningomyelocele; prenatal diagnosis, 378
meningomyelocele; selection for treatment, 2308, 3075
meningomyelocele; urological follow-up, 1181
misdiagnosis, 369
myelocele; care of infants, 2261
myelocele; survival of infant with unoperated, 2265
occulta; offspring of parents with, 2255
potatoes, 2251
prenatal diagnosis, 1199, 1214, 2267
prenatal diagnosis; alpha$_2$-macroglobulin concentrations, 3070
prenatal diagnosis; amniotic fluid macrophage count, 2252
prevention, 37
refraining from surgery; burden on parents, 3065
semiautomated alpha-fetoprotein radioimmunoassay, 386
social implications, 1175
spontaneous abortion, 1187
ultrasonics, 35, 2298, 2307

Spinal cord
injuries in newborn infant, 1017, 1992
occult dysraphism, 1294
tumor mistaken for cerebral palsy, 2926

Spinal nerves
sural nerve in familial dysautonomia, 366

Spinal puncture
bacteremia and meningitis, 1889
meningitis, 1885

Spine
sacral agenesis and associated anomalies, 3061

Sphingolipidosis
anabolic type G_{M3}, 296

Sphingomyelinase: *see under* **Phosphodiesterases**

Spleen
rupture in fetal erythroblastosis, 989

Spondyloepiphysial dysplasia tarda: *see under* **Growth disorders**

SREB attendant opinion scale: *see under* **Hospital personnel**

Staggered Spondaic Word Test: *see under* **Learning disorders**

Staphylococcal infections
hexachlorophene bathing, 1884, 1941

Starvation
infant; effects on learning abilities, 2453

Statistics
variance analysis in human genetics, 97

Steely hair syndrome: *see* **Menkes' kinky hair syndrome** *under* **Metabolism, inborn errors**

Stereotaxic technics
neurosurgery in cerebral palsy, 1036

Sterilization, sexual
court order setting standards to govern sterilization of institutionalized resident, 748
involuntary, of MR, 2824
involuntary eugenic, 2823
MR; abdominal hysterectomy, 892
outpatient laparoscopic and therapeutic abortion, versus abortion alone, 1806
proposed, in Sotos syndrome, 81
puerperal; Rh immunoglobulin, 196

Steroids
radioimmunoassay in clinical obstetrics, 1808
therapy in meningeal tuberculosis, 954

Stickler syndrome: *see under* **Abnormalities, multiple**

Structural therapy: *see under* **Autism, early infantile**

Student Town Action Resources Team Project: *see under* **Education, special**

STYCAR Developmental Language Test: *See under* **Language development**

Subacute necrotizing encephalomyelopathy: *see under* **Brain diseases**

Subacute sclerosing panencephalitis, 171, 908
associated with mononucleosis, 2903
electroencephalogram, 900
epidemiology in Israel, 966
and Hela cells, 129, 173
and measles, 173
measles antibodies and immunoglobulin in serum from patient with, 2892
and multiple sclerosis, 173
rifampin ineffective in treating, 2923

Sucrose
added to cow's milk for low birth weight babies, 1227

Sudden infant death
apnea monitors, 1267
cytomegalovirus pneumonia, 146
due to recognizable disease, 1273
thymic dysplasia and measles virus persistence, 932

Sugar acids
glucaric acid; excretion by newborn infant following phenobarbital, 2914

Sulfadimethoxine
effect on plasma bilirubin levels in hyperbilirubinemic rats, 2917

Sulfamethoxazole
in *Proteus morganii* meningitis, 158
-trimethoprim in septicemia and meningitis of infancy, 2612

Sulfatases
arylsulfatase A in identifying homozygotes and heterozygotes in lymphoid cell lines and peripheral leukocytes, 2011
arylsulfatase activity in metachromatic leukodystrophy, 237
arylsulfatase B deficiency in Maroteaux-Lamy syndrome, 2974
arylsulfatase B mutant in Maroteaux-Lamy syndrome, 280

Sulfates
cysteine-S-, in sulfite oxidase deficiency, 2120

Sulfite oxidase deficiency: *see under* **Amino acid metabolism, inborn errors**

Sulfonamides
therapy in toxoplasmosis, 1867

Superoxide dismutase
in Down's syndrome, 338

Sural nerve: *see under* **Spinal nerves**

Surgery
for spina bifida, 381
for spina bifida child; effects of refraining from on parents, 3065

Sweat gland
apocrine absence with ulnar ray and mammary gland hypoplasia and imperforate hymen, 3051

Sylvian aqueduct syndrome: *see under* **Hydrocephalus**

Synapses
in human brain; density in normal, SMR, and aging, 93

Synaptosomes
neonatal rat brain; Na^+-K^+-ATPase after perinatal protein calorie malnutrition, 2936

Syphilis
congenital; intestinal complications, 172

System of Multicultural Pluralistic Assessment: *see under* **Intelligence tests**

Tay-Sachs disease: *see* **Amaurotic familial idiocy**

Teaching
anticipation game to increase understanding of EMR children, 628

arithmetic skills, 3310
attitudes of general education teachers toward MR, 624
behavior control techniques, 3337
business education to the learning disabled, 2560
cognitive skills underlying language development to autistic children, 3315
competency based training courses for special educators, 549
creative behavior, 3366
DISTAR techniques for learning disabled children, 3276
dyslexics; use of Braille for communication, 1560
effects of child attractiveness on teacher judgment, 1462
elementary special education; training and certification program, 1519
emotionally disturbed children, 3256
EMRs; personnel training curriculum, 1472
exceptional children; teacher training, 1436
the handicapped; attitude improvement course, 1501
the handicapped; computer based teacher training, 1471
handicapped children, 3257
hearing impaired child in the regular classroom, 541
human sexuality to adolescents, 3243
instructional materials for SMR/PMR, 3354
language in EMR classroom analyzed, 2557
language to high-risk child, 3325
learning disabled, 3282, 3285, 3286
learning disabled; mathematics, 3289
learning disabled; reading programs, 3288
learning disabled adolescents, 3299, 3300
learning disabled children, 543, 3270, 3271, 3275, 3278
learning disabled children; systematic instruction, 3277
machines for the MR, 2540
manual for nonverbal MR, 2513
model for integrating handicapped into early childhood programs, 1430
model for PMR, SMR, and multihandicapped, 1482
MR adolescents tutoring MR children, 1463
program for special educators, 1421, 1425, 1481, 1579, 1581
reading skills to MR and learning disabled, 1433
remedial language, 2558
research curriculum, 3338
role conflict and job satisfaction in teachers of MR, 633
role of learning disorders teacher consultant, 619
SMR, 2549, 2551
special educators' attitudes towards various exceptionalities, 1476
special educators training program, 3246
styles of mothers and performance of MR preschool children, 3353
teachers in hospitals, 1767
training model for teachers of SMR and PMR, 1570
training paraprofessionals as special educators, 1466

Technology, medical
continuous positive airway pressure in respiratory distress syndrome, 1248, 1249, 1250
electromagnetic interference (EMI) brain scan, 862
fetal heart beat interval recorder, 22
electrical pulse generator to control assaultive and self-destructive behavior, 712
hydramnios diagnosed by fetography, 2789
labor nomograms for identification of high-risk labors, 1805
microchemical analyses for prenatal diagnosis of glycogenosis 2, 2976
placental scanning with computer-linked gamma camera to detect impaired placental blood flow and intrauterine growth retardation, 2047
pneumogram for apnea in infants, 1237
portacaval shunt in glycogenosis and hyperlipoproteinemia, 290

Teeth abnormalities
in mucopolysaccharidosis 4 (Morquio syndrome), 2092
in neurological diagnosis, 2807
otodental dysplasia, 2281
size in 47,XYY chromosome abnormality, 1161

Telangiectasia, hereditary hemorrhagic
cerebrovascular disorders, 375

Television
character effects on MR social development, 1377
for teaching sight words in learning disorders, 1371

Temperature
diurnal cycle and cognitive performance in children with cerebral palsy, 481
environmental; influence on pulmonary gas exchange and blood gas exchanges after birth, 1953

Temporal lobe
lesions in early infantile autism, 2479

Ten-State Nutrition Survey: *see under* **Nutrition**

Teratogens
chemicals, 2884
Delaney clause, 89
drugs, 2885
hormones in pregnancy tests, 935
infection, 2882
ionizing radiation, 2883
sodium-potassium ratios in chick embryo teratogenesis, 88
solanine effects in early chick embryos, 1915
viruses, 924, 925
warfarin, 2878

Teratomas: *see* **Neoplasms**

Territoriality
in PMR, 3177

Testes
macro-orchidism, 2168

Testes, undescended: *see* **Cryptorchism**

Testosterone
urinary excretion in Klinefelter's syndrome, 2188

Tetracycline
lymphocyte pleocytosis from bacterial meningitis, 959
type b *haemophilus influenzae* resistant to, isolated from children with meningitis, 951

Tetrahydrobiopterin: *see under* **Pteridines**

Tetrazolium salts
nitroblue tetrazolium reduction in children with kwashiorkor, 1050

Thalassemia
alpha; Bart hemoglobin, 999
beta; incidence in Liberia, 979
day transfusion center, 198
in Greek-Americans, 188
Hb Lepore/beta genotype ky, 1959
homozygous beta; in Liberia, 1949
homozygous beta; prenatal diagnosis, 996
stature and longitudinal growth, 199

Theophylline
for apnea and bradycardia in low birth weight infants, 1239
for apnea in premature infant, 1238

Thiazines
during pregnancy; effect on pre-eclampsia and birth weight, 399

Thinking
disability; mental retardation as, 2751

Thorax
dysplasia in Pierre Robin syndrome, 403
measurement in chromosome and multiple abnormalities, 2205

Thrombocytopenia: *see under* **Blood platelets**

Thymectomy
neonatal effect on Tamiami virus induced CNS disease, 1898

Thymidine kinase
activity in cerebrospinal fluid of rabbit with herpesvirus hominis encephalitis, 2881

Thymus gland
atrophy in protein-calorie malnutrition, 1049
dysplasia and measles virus persistence in sudden infant death, 932
maldescent with pharyngeal pouch syndrome in hypoparathyroidism, 2117

Thyroid diseases
in children; thyrotropin measurement, 1091, 1902

Thyroid gland
function during exchange transfusion in erythroblastotic infant, 981
function in Down's syndrome, 1162, 3032
maternal status and respiratory distress syndrome in infant, 1270
possible dysplasia, shortlimb dwarfism, and septemic hyalinosis, 2287

Thyroid hormones
in amniotic fluid, 19

Thyroid stimulating hormone: *see* **Thyrotropin**

Thyroiditis
probable autoimmune and Addison's disease in Down's syndrome, 322

Thyronine
tri-iodo-, measured in newborn infant, 1079

Thyrotropin
in amniotic fluid, 19
excessive response to thyrotropin-releasing hormone in pseudohypoparathyroidism, 2091
measurement in newborn infant, 1079
measurement in thyroid disease of childhood, 1092
in protein-calorie malnutrition, 1057
raised serum, in hypothyroidism, 1080
serum measurement in children with thyroid disorders, 1091

Thyrotropin-releasing hormone
excessive thyrotropin response to in pseudohypoparathyroidism, 2091
in minimal brain dysfunction, 1023

Thyroxine
free serum level and basal metabolic rate in malnutrition and small-for-gestational age dwarfism, 2044
immunoassay using filter paper blood samples for screening newborn infants for hypothyroidism, 2087
measured in newborn infant, 1079
serum levels in premature infants with respiratory distress syndrome, 1245

Tibia
changes in cytomegalic inclusion disease, 927

Togavirus encephalitis: *see under* **Encephalitis**

Token economy: *see under* **Behavior therapy**

Toluene
inhalation and cerebellar dysfunction, 949

Total parenteral nutrition: *see* **Parenteral hyperalimentation**

Toxic encephalopathy: *see under* **Brain diseases**

Toxoplasma, 1869

Toxoplasmosis, 1916
mimicking brain abscess in adult with treated scleroderma, 1902
neurologic manifestations, 904
sulfonamide therapy, 1867

Trachea
-esophageal fistula in low birth weight infant, 1222

Trail Making Test: *see under* **Psychological Tests**

Transfer factor therapy: *see under* **Agammaglobulinemia**

Transferases
galactose-1-phosphate-uridyl-; assignment to chromosome 3, 353

Transferrin
plasma, in newborn infant; gestational age and intrauterine nutrition effects, 1223

Transillumination
diagnosis of pneumothorax and pneumomediastinum in newborn infants, 1246
of infant skull, 30

Translocation: *see under* **Chromosome aberrations**

Transplantation
renal; infection in infant after maternal, 178

Transportation
of physically handicapped, 552

Tremor
in newborn infants, 419

Triage: *see under* **Physicians**

Trichopoliodystrophy: *see* **Menkes' kinky hair syndrome** *under* **Metabolism, inborn errors**

Triiodothyronine
in protein-calorie malnutrition, 1057

Trimethoprim
in *Proteus morganii* meningitis, 158
-sulfamethoxazole in septicemia and meningitis of infancy, 2612

Trisomy
C, and cystic dysplasia of kidneys, liver, and pancreas, 3012
C, in human abortuses, 2198
double; prenatal diagnosis, 2247
E phenotype, associated with small metacentric chromosome and a familial Y-22 translocation, 3005
G-like, in SMR, 334
inherited partial 2:46,XX,1pt;t(1,2) (p36;q31), 2225
partial, and partial monosomy for chromosome 13 in family, 3015
partial, for different segment of chromosome 13, 2219
partial, in family with balanced translocation 46,XX,t(1p+;9q-), 2914
partial, of chromosome 14 (+14q-), 3008
partial, of long arm of chromosome (4q32→4qter), 2154
partial, of long arm of chromosome 5, 2153
partial 5p syndrome, 2223
partial 9 by 3:1 segregation of balanced maternal translocation (7q+;9q-), 2195
short arm of chromosome 4, with translocation t(4p21p;4q21q) in mother, 2186
short arm of chromosome 9, and proximal part of long arm of 9, 1142
short arm of chromosome 10, 2152
tertiary 14, 3007
X; developmental study, 2145
6, partial; acrocephalosyndactylia, 2212
7 mosaicism, familial, 2158
8, 2242
8, with euploid mosaicism, 1123
8 mosaicism (T8mS), 1126
8 mosaicism 47,XX,+8/46,XX, 1154
9p, 1125, 1140
9p; familial chromosome translocation with distinctive phenotype, 2220
9p, in patient with *de novo* 9/15 translocation, 1145
9p; inherited translocation, 2222
9p syndrome, with heart defect, 1157
10(q24-26); familial partial trisomy of the long arm, 1127
13, and Rubinstein-Taybi syndrome, 1120
14q, 2218
15(dup 15q), 1148
16q, in family with balanced 15/16 translocation, 2217
18, clinical features, with pseudohermaphroditism in infant trisomic for part of chromosome 16 and 18, 2198
18; Edwards' syndrome, 2187
18; transient thrombocytopenia, 1160
18 mosaicism with features of Russell-Silver syndrome, 3023
21; centromeric linkage, 2189
21; dermatoglyphics compared with normal subjects, 869
21 mosaicism; diagnosis using dermatoglyphics, 3038
22, 2215
22; delineation of phenotype, 2159

Trophoblast
cells in maternal blood; prenatal diagnosis, 1819

T-T-lymphocytes
rosette forming kwashiorkor, 2061

Tuberculosis, meningeal
neurological manifestations, 141
steroid therapy, 954
treatment in children, 101

Tuberous sclerosis, 2132
with cerebellar calcification, 1028
immunoglobulin levels, 3041
with Klippel-Trenaunay-Weber syndrome, 359
with malignant astrocytoma, 2134
spasms in infant, 1039

Tumoral calcinosis: *see under* **Calcinosis**

Turner-Down's syndrome: *see under* **Aneuploidy**

Turner's syndrome, 1152
alopecia totalis, nail dysplasia, and amelogenesis imperfecta, 2206
endometrial carcinoma after cyclical estrogen-progestogen therapy, 351
features in women with polycystic ovaries, 2200
gonadal dysgenesis; dicentric X-isochromosome (Xqi dic) and pericentric inversion of No. 2, 1133
interstitial heterochromatin in i(Xq), 1143
in monozygotic twins, 2163
neurologic deficits and psychopathology, 328
X short-arm deletion in two sibs, 3011

Turner-Mongolism polysyndrome: *see under* **Chromosome abnormalities**

Twins
monozygotic; arachnodactyly, 2313
monozygotic; discordant with gonadal dysgenesis and mosaicism, 1117
monozygotic; Duhamel anomalad, 3042
monozygotic; early infantile autism, 506
perinatal factors and neonatal morbidity, 2392
prenatal karyotyping by ultrasonically guided amniocentesis, 1831

Tyrosine
metabolism in premature and small-for-date-infant, 1225

Tyrosinemia: *see under* **Amino acid metabolism, inborn errors**

UDP-glucuronyltransferase: *see under* **Hexosyltransferases**

Ullrich-Noonan syndrome: *see under* **Chromosome abnormalities**

Ulna
polydactyly, hallux syndactyly, and abnormal ear lobe; new syndrome, 3052
ray hypoplasia with mammary gland hypoplasia, imperforate hymen, and apocrine gland absence, 3051

Ultrasonics, 16
before amniocentesis for genetic counseling, 76
cephalometry; observer error
cephalometry; fetal weight, 17
for diagnosis in patients with raised serum alpha-fetoprotein levels, 861
Doppler; fetal activity, 1787
electronic monitoring of fetal heart rate and uterine activity during labor, 195
fetal abdomen circumference measurement in fetal weight estimation, 397
fetal abnormalities, 18
fetal weight estimation from measurement of trunk circumference, 398
fetal welfare, 66
and mammalian DNA, 20
spina bifida, 35, 2307, 2298

Ultrasound: *see* **Ultrasonics**

Umbilical cord
blood coagulation studies in infants of high-risk pregnancies, 993
compression and fetal asphyxia, 2374
compression and myocardial conduction defects, 894
edema, and respiratory distress syndrome, 409
omphalocele with raised alpha-fetoprotein levels in triplet pregnancy, 384

Urea
cycle enzymes in hyperammonemia, 2956
intraamniotic, in abortion, 79, 886

Uric acid
assays for determining fetal maturity, 1807
hyperuricemia, induced; comparison in fructose intolerant and galactosemic Ss, 2963

Urine
bile and elevated serum conjugated bilirubin levels, 193
estrogen assays in maternal hyperbilirubinemia, 185
mannosidosis; mannose-rich oligosaccharides, 2985
measuring mucopolysaccharide, 2075
metabolites of phenylalanine in preweanling rat treated with p-chlorophenylalanine and phenylalanine, 304
phenolic acid and alcohol excretion in newborn infant, 1067

Uterus
contraction patterns-fetal heartrate correlated with fetal scalp blood pH, 1810
electronic monitoring of activity during labor, 195
pressure monitored by computer, 884
rupture in labor, 2350

Vaccination
postpartum, and anti-D prophylaxis in rubella, 1923
rubella program; effect on antibody distribution in women of childbearing age, 167
smallpox, during pregnancy, 152

Vaccines
for cytomegalovirus, 965
Lirutrin (measles-mumps-rubella vaccine), 157
live, and congenital virus infections, 113
live attenuated influenza virus; trial in children, 955
live influenza recombinants, 938
live influenza strains, 939
for varicella-zoster virus, 965

VACTERL syndrome: *see under* **Abnormalities, multiple**

Valerates
4-pentenoic acid producing features of Reye's syndrome, 2880

Varicella-zoster virus, 161
vaccine, 965

VATER acronym: *see under* **Abnormalities, multiple**

Ventilation
assisted, in infants with meconium aspiration syndrome, 1256
respiratory distress syndrome; complications, 2385

Verbal learning
sight vocabulary for TMR, 1594

Vinyl chloride: *see under* **Vinyl compounds**

Vinyl compounds
vinyl chloride and congenital malformations, 943

Virus diseases
central nervous system, 944
in pregnancy; immediate and long-range effects, 2877

Viruses
antibodies in CSF following CNS infections, 910
drug therapy for congenital infections, 113
hydrocephalus and aqueductal stenosis, 148
infections; possible association with Reye's syndrome, 909
Tamiami induced CNS disease; neonatal thymectomy effect, 1898
as teratogens, 924, 925

Vision
as component of motor skill training, 1286
partial; academic achievement, 1297
perceptual maturity and intellectual efficiency, 1274
perceptual training, 1347

Vision disorders
in child; influence of pyrithioxine on memory, reaction time, abstraction ability, and classroom interest, 2611
mainstreaming children with, 3252

Vision tests, 2801
Visual Aural Digit Span Test; assessing reading ability of learning disabled children, 1411

Visual perception
letter discrimination ability of young children, 1358
visual fixation responses in PMR, 3082

Vitamin A
levels in MRs; diagnostic indicator of hepatitis, 1852
retinol-binding protein in protein-calorie malnutrition, 2037

Vitamin B_6: *see* **Pyridoxine**

Vitamin D
metabolites in treatment of hypoparathyroidism and pseudohypoparathyroidism, 285

Vitamins
learning disorders, 709
orthomolecular therapy, 2603

Vitiligo
and deafness, 3059

Vivonex-100: *see under* **Kwashiorkor**

Vocational education (*see also* **Rehabilitation, vocational**), **649, 650, 1513, 1620, 1623**
for developmentally disabled; program survey, 1439
for EMR, 1435, 1511
for EMR in large cities; school building administrative model, 1528
for handicapped, 1509, 1617, 2518
for handicapped; evaluation model, 1525
for learning disabled, 3383
for MR, 1508
for MR; postschool adjustment, 1624
for severely handicapped; bibliography, 1485
for slow learners, 3416
sheltered workshops for MR in South Australia, 3381
for SMR and PMR, 3320
special needs program evaluation, 1469

Vocational guidance
AAMD-Becker Reading-Free Vocational Interest Inventory, 1616
and career decision processes of EMR, 692
enhancing vocational abilities of SMR and PMR, 6121

Voluntary health agencies
for MR, 3520
for MR, in Canada, 3532
parents of MR, 3582

Voluntary workers
assisting special education teachers in curriculum development, 544
model for training as behavior therapists, 3586
parent-controlled programs for severely handicapped, 3519

Volunteers: *see* **Voluntary workers**

Vomiting
behavior therapy, 714
food satiation as procedure to decelerate, 2622

Von Recklinghausen's disease of nerve: *see* **Neurofibromatosis**

Warfarin
Conradi-Hunermann chondrodysplasia punctata, 1942, 1943, 1944
as teratogen, 2878

Washington State Cooperative Curriculum Project: *see under* **Education of mentally retarded**

Water intoxication
oxytocin administration in saline-induced abortion, 887

Wechsler Intelligence Scale for Children: *see under* **Intelligence tests**

Wernicke's encephalopathy
following parenternal feeding, 2032

Whistling face syndrome: *see under* **Abnormalities, multiple**

Wiedemann-Beckwith syndrome: *see under* **Hereditary diseases**

Williams elfin facies syndrome: *see under* **Abnormalities, multiple**

Wilm's tumor: *see* **Nephroblastoma**

Wilson's disease: *see* **Hepatolenticular degeneration**

Xanthines
apnea of prematurity, 1240, 1254
levels and hypoxanthine level determined in plasma and urine in intrauterine hypoxia, 2370

Xanthomatosis
cerebrotendinous (cholestanolosis), 360
cerebrotendinous, familial, 1173

Xenon isotopes
xenon-133 for assessing placental blood flow and detecting light-for-dates infants, 2866

Xeroderma pigmentosum
biochemical and genetic characteristics, 1217

XYY syndrome: *see under* **Sex chromosome abnormalities**

Zellweger syndrome: *see under* **Abnormalities, multiple**

Zinc
deficiency; brain growth, 2954
deficiency; chromosome abnormalities in maternal and fetal rat tissues, 2033
deficiency, postnatal; effects on developing rat brain, 2041
deficiency, prenatal; effects on adult rat avoidance conditioning, 2042
distribution, 1110

☆ U. S. GOVERNMENT PRINTING OFFICE : 1977 241-205/5060

$\frac{\$5}{0823}$